

1,2-Benzenediol

Other names:	1,2-Benzenediol (pyrocatechol) 1,2-Dihydroxybenzene 2-Hydroxyphenol 2H-1-Benzopyran-3,5,7-triol, 2-(3,4-dihydroxyphenyl)-3,4-dihydro-, (2R-trans)- Benzene, o-dihydroxy- CATECHOL Catechol (phenol) Durafur developer c Fouramine pch Fourrine 68 Kachin Katechol NCI-C55856 NSC 1573 O-DIHYDROXYBENZENE Oxyphenic acid PYROCATECHOL Pelagol grey c Phthalhydroquinone Pyrocatechin Pyrocatechine Pyrokatechin Pyrokatechol benzene, 1,2-dihydroxy- c.i. 76500 c.i. Oxidation base 26 o-Benzenediol o-Dioxybenzene o-Diphenol o-Hydroquinone o-Hydroxyphenol o-Phenylenediol o-catecol
Inchi:	InChI=1S/C6H6O2/c7-5-3-1-2-4-6(5)8/h1-4,7-8H
InchiKey:	YCIMNLLNPGFGHC-UHFFFAOYSA-N
Formula:	C6H6O2
SMILES:	Oc1ccccc1O
Mol. weight [g/mol]:	110.11
CAS:	120-80-9

Physical Properties

Property code	Value	Unit	Source
chs	-2874.00	kJ/mol	NIST Webbook
chs	-2862.00	kJ/mol	NIST Webbook
chs	-2864.50 ± 0.80	kJ/mol	NIST Webbook
chs	-2865.49 ± 0.74	kJ/mol	NIST Webbook
chs	-2856.30 ± 1.10	kJ/mol	NIST Webbook
gf	-187.56	kJ/mol	Joback Method
hf	-274.80 ± 1.20	kJ/mol	NIST Webbook
hf	-267.50 ± 1.90	kJ/mol	NIST Webbook
hf	-262.50	kJ/mol	NIST Webbook
hf	-271.60 ± 2.00	kJ/mol	NIST Webbook
hfs	-344.00	kJ/mol	NIST Webbook
hfs	-353.10 ± 1.10	kJ/mol	NIST Webbook
hfs	-354.10 ± 1.10	kJ/mol	NIST Webbook
hfs	-362.30 ± 1.10	kJ/mol	NIST Webbook
hfus	22.87	kJ/mol	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
hsub	87.50 ± 0.29	kJ/mol	NIST Webbook
hsub	86.60 ± 1.60	kJ/mol	NIST Webbook
hsub	86.60 ± 1.60	kJ/mol	NIST Webbook
hsub	86.60	kJ/mol	NIST Webbook
hsub	81.50	kJ/mol	NIST Webbook
hsub	87.50	kJ/mol	NIST Webbook
hsub	87.50 ± 0.30	kJ/mol	NIST Webbook
hvap	71.90 ± 0.80	kJ/mol	NIST Webbook
ie	8.56	eV	NIST Webbook
ie	8.15	eV	NIST Webbook
log10ws	0.62		Aqueous Solubility Prediction Method
log10ws	0.62		Estimated Solubility Method
logp	1.098		Crippen Method
mcvol	83.380	ml/mol	McGowan Method
pc	7561.44	kPa	Joback Method
rinpol	1215.00		NIST Webbook
rinpol	1199.80		NIST Webbook
rinpol	1197.00		NIST Webbook
rinpol	1219.00		NIST Webbook
rinpol	1219.00		NIST Webbook

rinpol	1210.00		NIST Webbook
rinpol	1197.00		NIST Webbook
rinpol	1197.00		NIST Webbook
rinpol	1201.00		NIST Webbook
ripol	2657.00		NIST Webbook
ripol	2661.00		NIST Webbook
tb	519.05 ± 0.50	K	NIST Webbook
tb	518.75	K	KDB
tb	518.20	K	NIST Webbook
tb	513.00	K	NIST Webbook
tb	518.80 ± 0.40	K	NIST Webbook
tc	766.85	K	Joback Method
tf	378.15	K	Liquid pharmaceuticals formulation by eutectic formation
tf	376.35 ± 0.50	K	NIST Webbook
tf	376.55 ± 0.50	K	NIST Webbook
tf	377.15	K	KDB
tf	378.00 ± 1.00	K	NIST Webbook
tf	378.00	K	NIST Webbook
tf	378.35	K	Aqueous Solubility Prediction Method
tf	376.90 ± 0.30	K	NIST Webbook
tf	378.85 ± 0.50	K	Liquid Liquid Equilibria for the Ternary System Methyl Isobutyl Ketone + 1,2-Benzenediol + Water
tf	379.25	K	Liquid Liquid Equilibria for the Ternary System n-Butyl Acetate + Pyrocatechol + Water at Different Temperatures at 101.3 kPa
tf	377.00	K	Enthalpies of formation of dihydroxybenzenes revisited: Combining experimental and high-level ab initio data
tf	377.70 ± 0.10	K	NIST Webbook
tt	377.50 ± 0.20	K	NIST Webbook
tt	377.60	K	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
vc	0.196	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	226.33	J/molxK	766.85	Joback Method
cpg	186.33	J/molxK	519.62	Joback Method
cpg	194.85	J/molxK	560.83	Joback Method
cpg	202.41	J/molxK	602.03	Joback Method
cpg	209.18	J/molxK	643.24	Joback Method
cpg	220.99	J/molxK	725.65	Joback Method
cpg	215.32	J/molxK	684.44	Joback Method
cps	132.20	J/molxK	298.00	NIST Webbook
cps	156.90	J/molxK	323.00	NIST Webbook
cps	140.60	J/molxK	298.15	NIST Webbook
cps	140.10	J/molxK	298.00	Liquid pharmaceuticals formulation by eutectic formation
cps	139.30	J/molxK	297.90	NIST Webbook
cps	140.17	J/molxK	298.15	NIST Webbook
dvisc	0.0001210	Paxs	457.17	Joback Method
dvisc	0.0000251	Paxs	519.62	Joback Method
dvisc	0.0002260	Paxs	436.35	Joback Method
dvisc	0.0004493	Paxs	415.54	Joback Method
dvisc	0.0000406	Paxs	498.80	Joback Method
dvisc	0.0000684	Paxs	477.99	Joback Method
dvisc	0.0009603	Paxs	394.72	Joback Method
hfust	18.55	kJ/mol	377.60	NIST Webbook
hfust	22.87	kJ/mol	377.60	NIST Webbook
hfust	22.76	kJ/mol	377.50	NIST Webbook
hfust	22.00	kJ/mol	376.85	NIST Webbook
hfust	22.01	kJ/mol	376.90	NIST Webbook
hfust	22.01	kJ/mol	376.90	NIST Webbook
hfust	22.54	kJ/mol	377.70	NIST Webbook
hfust	22.76	kJ/mol	337.50	NIST Webbook
hsubt	81.00 ± 2.00	kJ/mol	309.00	NIST Webbook
hsubt	80.00 ± 0.50	kJ/mol	302.50	NIST Webbook
hvapt	61.20	kJ/mol	408.50	NIST Webbook
hvapt	63.10	kJ/mol	457.00	NIST Webbook

hvapt	87.50	kJ/mol	332.20	Enthalpies of formation of dihydroxybenzenes revisited: Combining experimental and high-level ab initio data
psub	0.03	kPa	343.30	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.05	kPa	348.70	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.06	kPa	349.20	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.06	kPa	349.50	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.08	kPa	352.60	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.07	kPa	352.70	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited

psub	0.10	kPa	355.60	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.04	kPa	346.30	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.13	kPa	358.60	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.04	kPa	346.20	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.17	kPa	361.60	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.20	kPa	364.50	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.29	kPa	368.50	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited

psub	0.38	kPa	372.30	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.51	kPa	377.00	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.03	kPa	344.70	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.03	kPa	343.20	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.11	kPa	356.80	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.03	kPa	340.80	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.03	kPa	340.30	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited

psub	0.03	kPa	340.20	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.02	kPa	337.30	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.02	kPa	337.20	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.02	kPa	336.80	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.02	kPa	335.30	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.01	kPa	334.10	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.01	kPa	334.00	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited

psub	0.01	kPa	332.80	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.01	kPa	332.30	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.01	kPa	331.30	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	7.76e-03	kPa	328.60	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	7.78e-03	kPa	328.10	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	8.00e-03	kPa	328.10	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	6.97e-03	kPa	326.60	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited

psub	6.52e-03	kPa	326.00	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	5.45e-03	kPa	324.60	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	4.72e-03	kPa	322.90	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	0.14	kPa	360.70	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	3.65e-03	kPa	320.10	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	2.93e-03	kPa	318.30	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	2.90e-03	kPa	318.20	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited

psub	2.41e-03	kPa	316.20	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	1.72e-03	kPa	313.20	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	1.09e-03	kPa	310.00	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	9.50e-04	kPa	308.00	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	6.50e-04	kPa	305.30	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	5.10e-03	kPa	323.50	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
psub	5.30e-04	kPa	303.20	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited

pvap	4007.00 ± 80.14	kPa	753.50	Critical Point and Vapor Pressure Measurements for Four Compounds by a Low Residence Time Flow Method
pvap	147.00 ± 2.94	kPa	535.70	Critical Point and Vapor Pressure Measurements for Four Compounds by a Low Residence Time Flow Method
pvap	187.40 ± 3.75	kPa	547.00	Critical Point and Vapor Pressure Measurements for Four Compounds by a Low Residence Time Flow Method
pvap	81.47 ± 1.63	kPa	511.30	Critical Point and Vapor Pressure Measurements for Four Compounds by a Low Residence Time Flow Method
pvap	0.60	kPa	378.20	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
pvap	0.62	kPa	378.70	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
pvap	0.64	kPa	379.30	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited

pvap	0.67	kPa	380.30	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
pvap	0.71	kPa	381.30	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
pvap	0.76	kPa	382.20	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
pvap	0.81	kPa	383.30	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
pvap	0.83	kPa	384.30	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
pvap	0.90	kPa	385.30	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
pvap	0.94	kPa	386.30	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited

pvap	0.99	kPa	387.30	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
pvap	1.09	kPa	389.20	Di-Hydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited
pvap	3993.00 ± 79.86	kPa	754.80	Critical Point and Vapor Pressure Measurements for Four Compounds by a Low Residence Time Flow Method
pvap	349.10 ± 6.98	kPa	577.60	Critical Point and Vapor Pressure Measurements for Four Compounds by a Low Residence Time Flow Method
pvap	2997.00 ± 59.94	kPa	727.90	Critical Point and Vapor Pressure Measurements for Four Compounds by a Low Residence Time Flow Method
pvap	2993.00 ± 59.86	kPa	727.50	Critical Point and Vapor Pressure Measurements for Four Compounds by a Low Residence Time Flow Method
pvap	2496.00 ± 49.92	kPa	711.50	Critical Point and Vapor Pressure Measurements for Four Compounds by a Low Residence Time Flow Method

pvap	1995.00 ± 39.90	kPa	692.70	Critical Point and Vapor Pressure Measurements for Four Compounds by a Low Residence Time Flow Method
pvap	1996.00 ± 39.92	kPa	692.70	Critical Point and Vapor Pressure Measurements for Four Compounds by a Low Residence Time Flow Method
pvap	992.80 ± 19.86	kPa	640.90	Critical Point and Vapor Pressure Measurements for Four Compounds by a Low Residence Time Flow Method
pvap	988.90 ± 19.78	kPa	640.10	Critical Point and Vapor Pressure Measurements for Four Compounds by a Low Residence Time Flow Method
pvap	742.90 ± 14.86	kPa	621.80	Critical Point and Vapor Pressure Measurements for Four Compounds by a Low Residence Time Flow Method
pvap	499.40 ± 9.99	kPa	597.30	Critical Point and Vapor Pressure Measurements for Four Compounds by a Low Residence Time Flow Method
pvap	487.90 ± 9.76	kPa	595.60	Critical Point and Vapor Pressure Measurements for Four Compounds by a Low Residence Time Flow Method

rhos	1346.00	kg/m ³	298.15	Liquid Liquid Equilibria for the Ternary System n-Butyl Acetate + Pyrocatechol + Water at Different Temperatures at 101.3 kPa
rhos	1346.00 ± 1.00	kg/m ³	298.15	Liquid Liquid Equilibria for the Ternary System Methyl Isobutyl Ketone + 1,2-Benzenediol + Water
sfust	58.00	J/mol×K	376.85	NIST Webbook
sfust	60.30	J/mol×K	337.50	NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbp	412.20	K	2.95	Vapour pressure data for 2-n-propylresorcinol, 4-ethylresorcinol and 4-hexylresorcinol near their normal boiling points measured by differential scanning calorimetry
tbp	418.60	K	3.93	Vapour pressure data for 2-n-propylresorcinol, 4-ethylresorcinol and 4-hexylresorcinol near their normal boiling points measured by differential scanning calorimetry
tbp	423.80	K	4.93	Vapour pressure data for 2-n-propylresorcinol, 4-ethylresorcinol and 4-hexylresorcinol near their normal boiling points measured by differential scanning calorimetry

Sources

- Liquid pharmaceuticals formulation by eutectic formation: <https://www.doi.org/10.1016/j.fluid.2017.05.009>
- Critical Point and Vapor Pressure Measurements for Four Compounds by Forward Solubility Method: <https://www.doi.org/10.1021/je060269j>
- Enthalpies of formation of dihydroxybenzenes revisited: http://pubs.acs.org/doi/suppl/10.1021/ci034243x/suppl_file/ci034243xsi20040112_053635.txt
- Dihydroxybenzenes: Catechol, Resorcinol, and Hydroquinone. Enthalpies of Phase Transitions Revisited: <https://www.doi.org/10.1016/j.jct.2013.10.032>
- NIST Webbook: <https://www.doi.org/10.1016/j.tca.2008.02.016>
- Aqueous Solubility Prediction Method: https://en.wikipedia.org/wiki/Joback_method
- Liquid Liquid Equilibria for the Ternary System n-Butyl Acetate + Pyrocatechol in Water at Different Temperatures at 101.3 kPa: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C120809&Units=SI>
- KDB: <http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDataset002.xlsx>
- Crippen Method: <https://www.doi.org/10.1021/acs.jced.6b00280>
- Liquid Liquid Equilibria for the Ternary System Methyl Isobutyl Ketone + 2-n-propylresorcinol, 4-ethylresorcinol and Resorcinol Characterization of Several Phenolics and Polyhydric Compounds by Key: <http://link.springer.com/article/10.1007/BF02311772>
- Method: <https://www.thermo.com/files/research/kdb/mol/mol862.mol>
- Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>
- Method: <https://www.doi.org/10.1021/je5005559>
- Method: <https://www.doi.org/10.1016/j.jct.2019.03.008>
- Method: <https://www.doi.org/10.1021/je050293h>

Legend

- chs: Standard solid enthalpy of combustion
- cpg: Ideal gas heat capacity
- cps: Solid phase heat capacity
- dvisc: Dynamic viscosity
- gf: Standard Gibbs free energy of formation
- hf: Enthalpy of formation at standard conditions
- hfs: Solid phase enthalpy of formation at standard conditions
- hfus: Enthalpy of fusion at standard conditions
- hfust: Enthalpy of fusion at a given temperature
- hsub: Enthalpy of sublimation at standard conditions
- hsubt: Enthalpy of sublimation at a given temperature
- hvap: Enthalpy of vaporization at standard conditions
- hvapt: Enthalpy of vaporization at a given temperature
- ie: Ionization energy
- log10ws: Log10 of Water solubility in mol/l
- logp: Octanol/Water partition coefficient
- mcvol: McGowan's characteristic volume

pc:	Critical Pressure
psub:	Sublimation pressure
pvap:	Vapor pressure
rhos:	Solid Density
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
sfust:	Entropy of fusion at a given temperature
tb:	Normal Boiling Point Temperature
tbp:	Boiling point at given pressure
tc:	Critical Temperature
tf:	Normal melting (fusion) point
tt:	Triple Point Temperature
vc:	Critical Volume

Latest version available from:

<https://www.cheméo.com/cid/31-457-0/1-2-Benzenediol.pdf>

Generated by Cheméo on 2022-09-29 23:38:19.084715177 +0000 UTC m=+30262.143655955.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.