

mercury difluoride

Other names:	Merucric fluoride mercuric difluoride mercuric fluoride mercury difluoride (HgF ₂) mercury fluoride (HgF ₂) mercury(2+) fluoride mercury(II) fluoride
Inchi:	InChI=1S/2FH.Hg/h2*1H;/q;;+2/p-2
InchiKey:	FMSYTQMJOCCCQS-UHFFFAOYSA-L
Formula:	F ₂ Hg
SMILES:	[F-].[F-].[Hg+2]
Mol. weight [g/mol]:	238.59
CAS:	7783-39-3

Physical Properties

Property code	Value	Unit	Source
hsub	136.00 ± 4.00	kJ/mol	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
psub	1.50e-04	kPa	457.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	1.80e-04	kPa	464.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method

psub	2.40e-04	kPa	466.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	3.00e-04	kPa	469.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	2.40e-04	kPa	473.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	4.20e-04	kPa	474.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	3.60e-04	kPa	475.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	4.80e-04	kPa	480.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	6.60e-04	kPa	481.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	4.20e-04	kPa	481.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	5.10e-04	kPa	483.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method

psub	5.40e-04	kPa	483.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	6.00e-04	kPa	487.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	6.00e-04	kPa	487.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	8.90e-04	kPa	488.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	7.60e-04	kPa	490.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	7.80e-04	kPa	490.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	7.80e-04	kPa	492.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	9.10e-04	kPa	493.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method

psub	8.90e-04	kPa	494.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	1.15e-03	kPa	496.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	9.50e-04	kPa	496.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	1.07e-03	kPa	496.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	1.35e-03	kPa	498.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	1.07e-03	kPa	498.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	1.12e-03	kPa	499.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	1.62e-03	kPa	502.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	1.32e-03	kPa	502.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method

psub	1.51e-03	kPa	503.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	1.78e-03	kPa	504.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	1.78e-03	kPa	504.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	1.74e-03	kPa	505.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	1.62e-03	kPa	507.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	1.86e-03	kPa	507.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	2.09e-03	kPa	510.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	2.45e-03	kPa	511.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method

psub	2.24e-03	kPa	512.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	2.88e-03	kPa	513.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	2.45e-03	kPa	513.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	2.29e-03	kPa	514.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	2.57e-03	kPa	515.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	3.47e-03	kPa	516.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	3.63e-03	kPa	518.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	3.24e-03	kPa	520.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	3.98e-03	kPa	521.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method

psub	3.39e-03	kPa	521.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	3.31e-03	kPa	523.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	4.37e-03	kPa	525.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	3.63e-03	kPa	525.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	4.79e-03	kPa	526.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	4.37e-03	kPa	527.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	4.57e-03	kPa	527.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	4.57e-03	kPa	528.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method

psub	5.50e-03	kPa	529.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	5.75e-03	kPa	533.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	7.59e-03	kPa	535.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	6.17e-03	kPa	535.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	7.59e-03	kPa	537.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	6.46e-03	kPa	539.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	8.71e-03	kPa	542.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	0.01	kPa	543.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	8.71e-03	kPa	543.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method

psub	0.01	kPa	544.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	9.33e-03	kPa	549.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	0.01	kPa	551.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	0.01	kPa	551.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	0.01	kPa	552.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	0.01	kPa	555.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	0.02	kPa	557.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	0.01	kPa	557.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method

psub	0.02	kPa	560.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	0.02	kPa	560.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	0.02	kPa	561.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	0.02	kPa	565.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	0.02	kPa	568.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	0.02	kPa	570.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	0.03	kPa	580.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method
psub	0.04	kPa	589.00	Vapor Pressures and Sublimation Enthalpies of Mercury(I, II) Fluorides by the Torsion-Effusion Method

Sources

Vapor Pressures and Sublimation
Enthalpies of Mercury(I, II) Fluorides by
the Torsion Effusion Method:

<https://www.doi.org/10.1021/je800231f>

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C7783393&Units=SI>

Legend

hsub: Enthalpy of sublimation at standard conditions

psub: Sublimation pressure

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