Epinephrine

Other names:

1,2-Benzenediol, 4-[1-hydroxy-2-(methylamino)ethyl]-, (R)-
Benzyl alcohol, 3,4-dihydroxy-«alpha»-[(methylamino)methyl]-, (-)-
(-)-Adrenaline
L-Adrenaline
L-Epinephrine
Adnephrine
Adrenal
Adrenalin
Adrenaline
Adrenine
Adrin
Chelafrin
Epinefrina
Epinephran
Epirenan
Exadrin
Hemisine
Hemostasin
Hemostatin
Hypernephrin
Levorenin
Levorenine
Methylarterenol
Mucidrina
Nephridine
Nieraline
Paranephrin
Renaglandin
Renaleptine
Renalina
Renoform
Renostypticin
Renostyptin
Scurenaline
Styptirenal
Supracapsulin
Supranephrane
Suprarenaline
Suprarenin
Surrenine

Sus-phrine
Takamina
Vasoconstrictine
Vasoconstrictor
Vasotonin
(R)-Epinephrine
l-Epinephrine (synthetic)
l-1-(3,4-Dihydroxyphenyl)-2-methylaminoethanol
Adrenalin in Oil
Adrenalin-Medihaler
Adrenamine
Adrenapax
Adrenasol
Adrenatrate
Adrenodis
Adrenohorma
Adrenosan
Adrenutol
Antiasthmatique
Asmatane mist
Asthma meter mist
Asthma-nefrin
Astmahalin
Astminhal
Balmadren
Bernarenin
Biorenine
Bosmin
Brevirenin
Bronkaid
Bronkaid Mist
Corisol
Drenamist
Dylephrin
Dyspne-Inhal
Epifrin
Epirenamine
Epirenin
Esphygmogenina
Glaucosan
Glycirenan
Haemostasin
Haemostatin

Hektalin
Hyporenin
Intranefrin
Kidoline
Lyophrin
Metanephrin
Myosthenine
Mytrate
Primatene Mist
Renagladin
Renaglandulin
Renostypricin
Simplene
Sindrenina
Soladren
Sphygmogenin
Stryptirenal
Supradin
Supranefran
Supranephrine
Supranol
Suprel
Surenine
Sympathin I
Takamine
Tokamina
Tonogen
Vaponefrin
Vasodrine
Vasoton
L-Epirenamine
3,4-Dihydroxy-«alpha»-((methylamino)methyl)benzyl alcohol
l-Adrenalin
Epinefrin
RCRA waste number P042
Glaucon
Levo-Methylaminoethanolcatechol
(R)-4-[1-Hydroxy-2-(methylamino)ethyl]-1,2-benzenediol
Epiglaufrin
Eppy
Glauposine
L-Methylaminoethanolcatechol
Levorenen

	1,2-Benzenediol, 4-[(1R)-1-hydroxy-2-(methylamino)ethyl]-
	(-)-3,4-Dihydroxy-a-[2-(methylamino)ethyl]benzyl alcohol
	R-(-)-Epinephrine
	(R)-Adrenaline
	Levoepinephrine
	Lyodrin
	51-42-3 (tartrate)
Inchi:	InChI=1S/C9H13NO3/c1-10-5-9(13)6-2-3-7(11)8(12)4-6/h2-4,9-13H,5H2,1H3
InchiKey:	UCTWMZQNUQWSLP-UHFFFAOYSA-N
Formula:	C9H13NO3
SMILES:	C[NH2+]CC(O)c1ccc([O-])c(O)c1
Mol. weight [g/mol]:	183.20
CAS:	51-43-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.50		Crippen Method
logp	-1.308		Crippen Method
mcvol	141.500	ml/mol	McGowan Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C51434&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

Latest version available from: