

Bis(2-ethylhexyl)hydrogen phosphate

Other names:

di(2-Ethylhexyl)phosphoric acid
Bis-(2-ethylhexyl) phosphate
di-(2-Ethylhexyl)-phosphate
Phosphoric acid, bis(2-ethylhexyl) ester
Bis(2-ethylhexyl)orthophosphoric acid
Bis(2-ethylhexyl)phosphoric acid
Dehpa extractant
Di(2-ethylhexyl)orthophosphoric acid
2-Ethyl-1-hexanol hydrogen phosphate
Hdehp

Kyselina di-(2-ethylhexyl)fosforecna

D 2EHPA

Di-2-ethylhexyl hydrogen phosphate

Hydrogen bis(2-ethylhexyl) phosphate

Inchi:

InChI=1S/C16H35O4P/c1-5-9-11-15(7-3)13-19-21(17,18)20-14-16(8-4)12-10-6-2/h15-16

InchiKey:

SEGLCEQVOFDUPX-UHFFFAOYSA-N

Formula:

C16H35O4P

SMILES:

CCCCC(CC)COP(=O)(O)OCC(CC)CCCC

Mol. weight [g/mol]:

322.42

CAS:

298-07-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.74		Crippen Method
logp	5.553		Crippen Method
mvol	280.240	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=C298077&Units=SI>

Crippen Method:

<http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Legend

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

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