

cefuroxime acid

Other names:

Inchi: (6R,7R)-3-((carbamoyloxy)methyl)-7-((Z)-2-(furan-2-yl)-2-(methoxyimino)acetamido)-8-oxo-8H-chromene-2-carboxylic acid
InchiKey: JFPVXVDWJQMJEI-IZRZKJBUSA-N
Formula: C₁₆H₁₆N₄O₈S
SMILES: CON=C(C(=O)NC1C(=O)N2C(C(=O)O)=C(COC(N)=O)CSC12)c1ccco1
Mol. weight [g/mol]: 424.39

Physical Properties

Property code	Value	Unit	Source
logp	-0.536		Crippen Method
mcvol	272.550	ml/mol	McGowan Method

Sources

Measurement and Correlation of Solubility of Cefuroxime Acid in Pure and Binary Solvents at Various Temperatures:
Crippen Method:

<https://www.doi.org/10.1021/je100397q>

<http://link.springer.com/article/10.1007/BF02311772>

<http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method:

https://www.cheméo.com/doc/models/crippen_log10ws

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

Determination and correlation of cefuroxime acid solubility in (acetonitrile + water) mixtures:

<https://www.doi.org/10.1016/j.jct.2014.05.018>

Legend

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

Latest version available from:

<https://www.cheméo.com/cid/107-505-2/cefuroxime-acid.pdf>

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