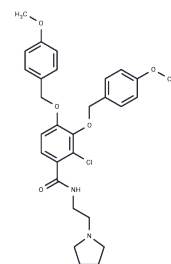


MDK08445

Chemical Properties

CAS No. : 1225208-44-5
 Formula: C₂₉H₃₃ClN₂O₅
 Molecular Weight: 525.04
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	MDK08445 is an important intermediate or precursor for the synthesis of Cefiderocol, a potent siderophore cephalosporin antibiotic.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9046 mL	9.5231 mL	19.0462 mL
5 mM	0.3809 mL	1.9046 mL	3.8092 mL
10 mM	0.1905 mL	0.9523 mL	1.9046 mL
50 mM	0.0381 mL	0.1905 mL	0.3809 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Preparation of intermediate of cephalosporin derivatives. Fukuda, Mayu; Watanabe, Takeaki; Kurita, Takanori; Yokota, Yutaka; Takeo, Masatoshi; Noguchi, Kouichi. PCT Int. Appl. (2016), WO 2016035847 A1 20160310, Language: Japanese, Database: CAPLUS

Pharmaceutical preparation comprising cephalosporin having catechol groups with improved stability, and manufacture thereof. Kawasaki, Hidenori; Kojima, Natsuko; Fujihira, Atsushi; Takahashi, Kanako; Matsubara, Fumihiko; Matsuoka, Nao. PCT Int. Appl. (2016), WO 2016035846 A1 20160310,

Preparation of 2-substituted cephem compounds as antibacterial agents. Yamawaki, Kenji; Yokoo, Katsuki; Sato, Jun; Kusano, Hiroki; Aoki, Toshiaki; Liao, Xiangmin; Pearson, Neil David; Pendrak, Israil; Thalgi, Reema. Jpn. Kokai Tokkyo Koho (2015), JP 2015221788 A 20151210,

Preparation of 2-substituted cephem compounds as antibacterial agents. Liao, Xiangmin; Pearson, Neil David; Pendrak, Israil; Thalgi, Reema; Yamawaki, Kenji; Yokoo, Katsuki; Sato, Jun; Kusano, Hiroki; Aoki, Toshiaki. PCT Int. Appl. (2014), WO 2014068388 A1 20140508,

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