Data Sheet (Cat.No.T27724)

TargetMol

KDT 501 potassium

Chemical Properties

CAS No. : 1374259-84-3

Formula: C21H34KO5

Molecular Weight: 405.596

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	KDT 501, a PPAR agonist and G protein-coupled receptor (GPR) 120 agonist, is used potentially for the treatment of type 2 diabetes.
Targets(IC50)	Others,PPAR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4655 mL	12.3274 mL	24.6548 mL
5 mM	0.4931 mL	2.4655 mL	4.931 mL
10 mM	0.2465 mL	1.2327 mL	2.4655 mL
50 mM	0.0493 mL	0.2465 mL	0.4931 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

Konda VR, Desai A, Darland G, Grayson N, Bland JS. KDT501, a derivative from hops, normalizes glucose metabolism and body weight in rodent models of diabetes. PLoS One. 2014 Jan 30;9(1):e87848. doi: 10.1371/journal.pone.0087848. PubMed PMID: 24498211; PubMed Central PMCID: PMC3907559.

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