

(Z)-KC02

Chemical Properties

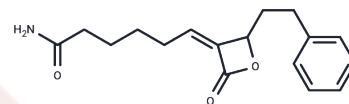
CAS No. : 1646795-60-9

Formula: C17H21NO3

Molecular Weight: 287.35

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	(Z)-KC02 is an ABHD16A inhibitor which targets the enzyme responsible for producing lysophosphatidylserine (lyso-PS), a lipid involved in regulating immune and neurological functions. This compound is linked to the mitigation of neurological disorders, including retinitis pigmentosa and cataracts (PHARC), by depleting lyso-PS in lymphoblasts from affected individuals. Moreover, (Z)-KC02 diminishes lyso-PS levels and lipopolysaccharide-induced cytokine production in macrophages and influences lyso-PS metabolism in vivo [1].
Targets(IC50)	Others, TNF
In vitro	(Z)-KC02 disrupts ABHD16A in murine macrophages, thereby reducing lyso-PS levels [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4801 mL	17.4004 mL	34.8008 mL
5 mM	0.696 mL	3.4801 mL	6.9602 mL
10 mM	0.348 mL	1.740 mL	3.4801 mL
50 mM	0.0696 mL	0.348 mL	0.696 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481