

WWL229

Chemical Properties

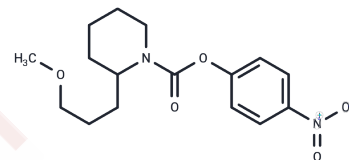
CAS No. : 1338575-28-2

Formula: C₁₆H₂₂N₂O₅

Molecular Weight: 322.36

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	WWL229 is a selective inhibitor of Ces3, acting by inhibiting recombinant Ces3 while not affecting Ces1f, ABHD6, or other tested serine hydrolases, and replicating the effects of WWL113 in adipocytes.
Targets(IC50)	Others,Lipid

Solubility Information

Solubility	DMSO: 60 mg/mL (186.13 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 2.5 mg/mL (7.76 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1021 mL	15.5106 mL	31.0212 mL
5 mM	0.6204 mL	3.1021 mL	6.2042 mL
10 mM	0.3102 mL	1.5511 mL	3.1021 mL
50 mM	0.062 mL	0.3102 mL	0.6204 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

Sun K . A Unique Role of Carboxylesterase 3 (Ces3) in β -Adrenergic Signaling Stimulated Thermogenesis. 2019. Inactivation of CES1 Blocks Prostaglandin D2 Glyceryl Ester Catabolism in Monocytes/Macrophages and Enhances Its Anti-inflammatory Effects, Whereas the Pro-inflammatory Effects of Prostaglandin E2 Glyceryl Ester Are Attenuated[J]. ACS Omega, 2020, 5(45):29177-29188.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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