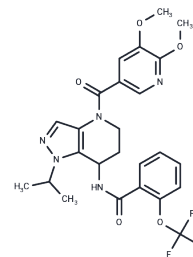


ALT-007

Chemical Properties

CAS No. : 2035010-37-6
 Formula: C₂₅H₂₆F₃N₅O₅
 Molecular Weight: 533.5
 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	ALT-007 is an orally bioavailable inhibitor of serine palmitoyltransferase (SPT), the rate-limiting enzyme in de novo ceramide synthesis. In murine models of age-related sarcopenia, ALT-007 effectively restores muscle mass and function impaired by aging. Additionally, ALT-007 may enhance protein homeostasis in <i>Caenorhabditis elegans</i> and in mouse models of aging and age-associated diseases, acting as a ceramide inhibitor.
Targets(IC50)	Acyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8744 mL	9.3721 mL	18.7441 mL
5 mM	0.3749 mL	1.8744 mL	3.7488 mL
10 mM	0.1874 mL	0.9372 mL	1.8744 mL
50 mM	0.0375 mL	0.1874 mL	0.3749 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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