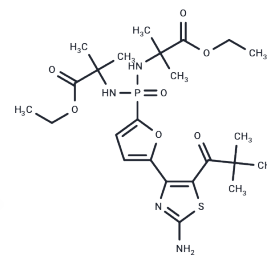


MB-07803

Chemical Properties

CAS No. : 882757-24-6
 Formula: C₂₄H₃₇N₄O₇PS
 Molecular Weight: 556.61
 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	MB07803 is an orally available prodrug of an effective, noncompetitive inhibitor of fructose 1,6-bisphosphatase (FBPase) (EC ₅₀ : 140 nM and t _{1/2} of 7.6±2.9 h). This compound is unstable in powder form and other related salt forms are recommended.
Targets(IC ₅₀)	Others, Phosphatase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7966 mL	8.983 mL	17.9659 mL
5 mM	0.3593 mL	1.7966 mL	3.5932 mL
10 mM	0.1797 mL	0.8983 mL	1.7966 mL
50 mM	0.0359 mL	0.1797 mL	0.3593 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

van Poelje PD, et al. Fructose-1, 6-bisphosphatase inhibitors for reducing excessive endogenous glucose production in type 2 diabetes. *Handb Exp Pharmacol.* 2011;(203):279-301.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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