
Product Data Sheet

Product Name: MB-07803

Cat. No.: GC31545

Chemical Properties

Cas. No. 882757-24-6

SMILES NC1=NC(C2=CC=C(P(NC(C)(C(OCC)=O)C)(NC(C)(C(OCC)=O)C)=O)O2)=C(C(C(C)(C)C)=O)S1Formula C₂₄H₃₇N₄O₇PS M.Wt 556.61

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

MB07803 is an orally available prodrug of a potent, noncompetitive inhibitor (MB07729) of fructose 1,6-bisphosphatase (FBPase), with EC₅₀ of 140 nM and t_{1/2} of 7.6±2.9 h.

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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