
Product Data Sheet

Product Name: EP1013 (F1013)

Cat. No.: GC31390

Chemical Properties

Cas. No. 223568-55-6

SMILES O=C(O)C[C@H](NC([C@H](C(C)C)NC(OCC1=CC=CC=C1)=O)=O)C(CF)=OFormula $C_{18}H_{23}FN_2O_6$ M.Wt 382.38Solubility DMSO : ≥ 60 mg/mL (156.91 mM) Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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**

EP1013 is a broad-spectrum caspase selective inhibitor, used in the research of type 1 diabetes.

EP1013 (1, 3, 10 mg/kg) significantly improves marginal islet mass function. Two animals in the 10 mg/kg EP1013 treatment group exhibit primary islet graft nonfunction, but the diabetes reversal rate for this group is not significantly different from the 3 mg/kg EP1013, 1 mg/kg EP1013, or 10 mg/kg zVAD groups. EP1013 therapy enhances functional syngeneic islet mass and promotes longevity of islet graft function[1].

[1]. Emamaullee JA, et al. The caspase selective inhibitor EP1013 augments human islet graft function and longevity in marginal mass islet transplantation in mice. Diabetes. 2008 Jun;57(6):1556-66.

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

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