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**Product Data Sheet**

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Product Name: BACE1-IN-1

Cat. No.: GC31158

**Chemical Properties**

Cas. No. 1310347-50-2

SMILES O=C(C1=NC=C(C#N)C=C1)NC2=CC=C(F)C([C@@]3(C)N=C(N)OCC3(F)F)=C2Formula C18H14F3N5O2 M.Wt 389.33

Solubility DMSO : 85 mg/mL (218.32 mM; Need ultrasonic) 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**

BACE1-IN-1 is a potent and highly brain penetrant BACE1 inhibitor with IC50s of 32 and 47 nM for human BACE1 and BACE2, respectively.

[1]. Hilpert H, et al.  $\beta$ -Secretase (BACE1) inhibitors with high in vivo efficacy suitable for clinical evaluation in Alzheimer's disease. J Med Chem. 2013 May 23;56(10):3980-95.

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

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