

Product Data Sheet

Product Name: IDD388
Cat. No.: GC70526

Chemical Properties

Cas. No. 314297-26-2

Formula $C_{16}H_{12}BrClFNO_4$ M.Wt 416.63

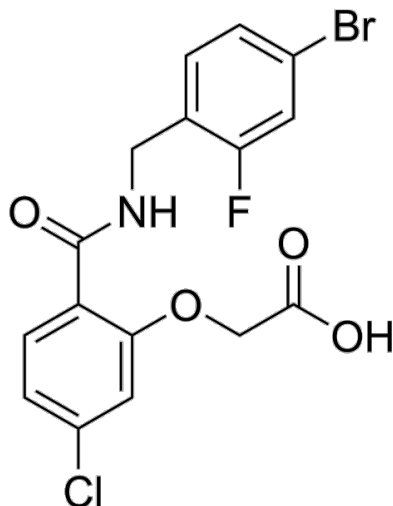
Solubility DMSO : 125 mg/mL (300.03 mM);
Need ultrasonic; Hygroscopic DMSO
has a significant impact on the
solubility of product, please use
newly opened DMSO)

Storage 4°C, protect from light

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

IDD388 is a selective aldose reductase (ALR2) inhibitor with an IC₅₀ of 30 nM. IDD388 displays selectivity for ALR2 over ALR1 (IC₅₀ of 14 μM).

References:

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

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[1]. Holger Steuber, et al. Merging the binding sites of aldose and aldehyde reductase for detection of inhibitor selectivity-determining features. J Mol Biol. 2008 Jun 20;379(5):991-1016.

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