Product Data Sheet

Product Name: IDD388
Cat. No.: GC70526

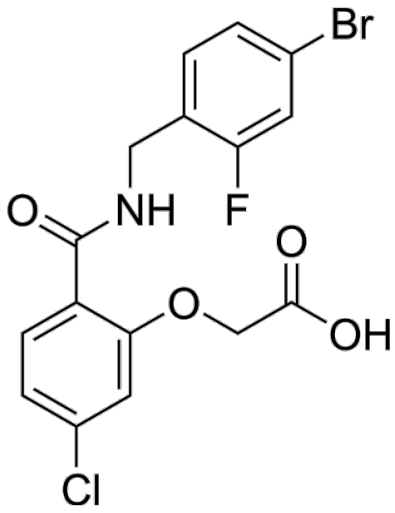
Chemical Properties

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.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
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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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