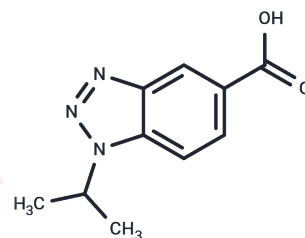


IBC 293

Chemical Properties

CAS No. : 306935-41-1
 Formula: C₁₀H₁₁N₃O₂
 Molecular Weight: 205.21
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	IBC 293 is selective for GPR109B over niacin receptor GPR109A. IBC 293 is a highly selective agonist for GPR109B, a human orphan G-protein-coupled receptor expressed in adipocytes.
Targets(IC50)	GPCR

Solubility Information

Solubility	DMSO: 55 mg/mL (268.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (9.75 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8731 mL	24.3653 mL	48.7306 mL
5 mM	0.9746 mL	4.8731 mL	9.7461 mL
10 mM	0.4873 mL	2.4365 mL	4.8731 mL
50 mM	0.0975 mL	0.4873 mL	0.9746 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Mazzola E, Cheng SC, Parmigiani G. The penetrance of ductal carcinoma in situ among BRCA1 and BRCA2 mutation carriers. Breast Cancer Res Treat. 2013 Jan;137(1):315-8. doi: 10.1007/s10549-012-2345-5. PubMed PMID: 23184082; PubMed Central PMCID: PMC3836600.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481