

Product data sheet



MedKoo Cat#: 531961 Name: IBC 293 CAS: 306935-41-1 Chemical Formula: C ₁₀ H ₁₁ N ₃ O ₂ Exact Mass: 205.0851 Molecular Weight: 205.2170		
Product supplied as:	Powder	
Purity (by HPLC):	≥ 98%	
Shipping conditions	Ambient temperature	
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.	

1. Product description:

IBC 293 is a highly selective agonist for GPR109B (HM74), human orphan G-protein-coupled receptor expressed in adipocytes. IBC 293 is selective for GPR109B over niacin receptor GPR109A (HM74A).

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMF	16.0	77.97
DMF:PBS (pH 7.2) (1:1)	0.5	2.44
DMSO	25.0	121.82
Ethanol	5.0	24.36

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	4.87 mL	24.36 mL	48.73 mL
5 mM	0.97 mL	4.87 mL	9.75 mL
10 mM	0.49 mL	2.44 mL	4.87 mL
50 mM	0.10 mL	0.49 mL	0.97 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

7. Bioactivity

Biological target:

A selective agonist of GPR109B.

In vitro activity

TBD

In vivo activity

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TBD

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.