

Product Information

4-IBP

Cat. No.: X23-12-YM645

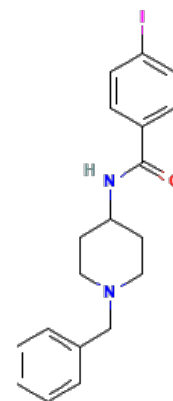
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 155798-08-6

Compound CID: 132995

Synonym: 155798-08-6; *N*-(1-Benzylpiperidin-4-yl)-4-iodobenzamide

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	4-IBP, soluble in DMSO and ethanol and insoluble in water, inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins.
Molecular Weight	420.29
Molecular Formula	C ₁₉ H ₂₁ IN ₂ O
IUPAC Name	<i>N</i> -(1-Benzylpiperidin-4-yl)-4-iodobenzamide
InChI	InChI=1S/C19H21IN2O/c20-17-8-6-16(7-9-17)19(23)21-18-10-12-22(13-11-18)14-15-4-2-1-3-5-15/h 1-9,18H,10-14H2,(H,21,23)
InChI Key	HELCSNNDZLFM-UHFFFAOYSA-N
Canonical SMILES	C1CN(CCC1NC(=O)C2=CC=C(C=C2)I)CC3=CC=CC=C3
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 83 mg/mL (197.48 mM); Water: insoluble; Ethanol: 5 mg/mL (11.89 mM)
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	4-IBP can be used for its ability to either activate or block these receptors to modulate serotonin signaling.
Storage	Store at -20°C, and keep desiccated.