

Product Datasheet

Tryptophan-cholic acid (orb3027381)

Catalog Number	orb3027381
Category	Small Molecules
Description	Tryptophan-cholic acid (Trp-CA) is a microbial amino acid-binding bile acid (MABA), serving as an endogenous ligand and agonist for MRGPRES (Mas-related GPCR family member E), thereby inducing GLP-1 secretion. Tryptophan-cholic acid improves glucose tolerance in diabetic mice and may be utilised for studies on type 2 diabetes.
Target	Endogenous Metabolite, GPCR
Purity	100.00%
MW	594.78
Target Areas	GPCR Endogenous Metabolite
Solubility (25°C)	10% DMSO+40% PEG300+5% Tween-80+45% Saline:3.3 mg/mL (5.55 mM);DMSO:80 mg/mL (134.5 mM)
CAS Number	1630745-39-9
Formula	C ₃₅ H ₅₀ N ₂ O ₆
SMILES	<chem>O[C@H]1[C@]2([C@]3([C@@](C)([C@@]([C@@H](CCC(N[C@@H](CC=4C=5C(NC4)=CC=CC5)C(O)=O)=O)C)(CC3)[H])[C@@H](O)C[C@@]2([C@]6(C)[C@](C1)(C[C@H](O)CC6)[H])[H])[H][H]</chem>
Storage	keep away from moisture,store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice.
Note	For research use only
Expiration Date	12 months from date of receipt.

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