

Product Datasheet

Skatole (orb1301926)

Catalog Number	orb1301926
Category	Small Molecules
Description	Skatole (3-Methylindole) is a bacterially derived metabolite that acts as an aryl hydrocarbon receptor (AhR) agonist, activating pathways like p38 MAPK to modulate intestinal epithelial function. It is a valuable research tool for studying host-microbiome interactions, gut barrier integrity, and immune signaling in both in vitro and in vivo models.
Target	Antibacterial,Aryl Hydrocarbon Receptor,Antifungal,AhR,p38 MAPK,Apoptosis,Endogenous Metabolite,Autophagy
Purity	99.96% (May vary between batches)
MW	131.17
Target Areas	Autophagy Antifungal AhR Aryl Hydrocarbon Receptor Antibacterial Endogenous Metabolite Apoptosis p38 MAPK
Solubility (25°C)	DMSO:50 mg/mL (381.18 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (15.25 mM)
CAS Number	83-34-1
Formula	C ₉ H ₉ N
SMILES	CC1=CNC2=CC=CC=C12
Storage	Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

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