

Product Datasheet

Kynurenic acid (orb1980161)

Catalog Number	orb1980161
Category	Small Molecules
Description	Kynurenic acid is an endogenous tryptophan metabolite acting as a triple receptor antagonist (NMDA, glutamate, α 7nAChR) and a GPR35 agonist. This activity underpins its research applications in studying neuroprotection, seizure mechanisms, and metabolic diseases in both in vitro and in vivo experimental models.
Target	Apoptosis, GPCR, NMDAR, CXCR, GluR, iGluR, Endogenous Metabolite
Purity	99.69% (May vary between batches)
MW	189.17
Target Areas	CXCR Apoptosis iGluR GluR Endogenous Metabolite GPCR NMDAR
Solubility (25°C)	H2O:0.1 mg/mL (insoluble);10% DMSO+40% PEG300+5% Tween 80+45% Saline:1 mg/mL (5.29 mM);DMSO:7.76 mg/mL (41.02 mM)
CAS Number	492-27-3
Formula	$C_{10}H_7NO_3$
SMILES	<chem>OC(=O)C1=CC(O)=C2C=CC=CC2=N1</chem>
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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