



Product Information

GPR inhibitor NE 52-QQ57, Purity $\geq 98\%$

Cat. No.: X24-06-ZQ739

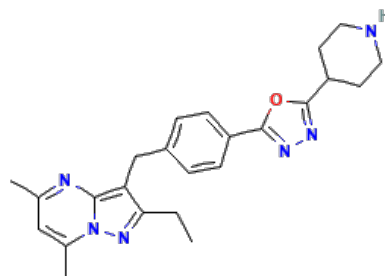
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1401728-56-0

Compound CID: 68379135

Synonym: 1401728-56-0; GPR inhibitor

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



Product Information

Description	NE 52-QQ57, soluble in DMSO and ethanol and insoluble in water, is a compound that specifically targets and inhibits G protein-coupled receptors (GPRs), which play a critical role in transmitting signals across cell membranes.
Molecular Weight	416.52
Molecular Formula	C ₂₄ H ₂₈ N ₆ O
IUPAC Name	2-[4-[(2-Ethyl-5,7-dimethylpyrazolo[1,5-a]pyrimidin-3-yl)methyl]phenyl]-5-piperidin-4-yl-1,3,4-oxadiazole
InChI	InChI=1S/C24H28N6O/c1-4-21-20(22-26-15(2)13-16(3)30(22)29-21)14-17-5-7-18(8-6-17)23-27-28-24(31-23)19-9-11-25-12-10-19/h5-8,13,19,25H,4,9-12,14H2,1-3H3
InChI Key	HXPQWNPLNIEJOW-UHFFFAOYSA-N
Canonical SMILES	CCC1=NN2C(=CC(=NC2=C1CC3=CC=C(C=C3)C4=NN=C(O4)C5CCNCC5)C)C
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 11 mg/mL (26.41 mM); Water: Insoluble; Ethanol: 48 mg/mL (115.24 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	NE 52-QQ57 is used to investigate GPR-mediated mechanisms and their roles in cellular signaling and communication.



Storage

Store at -20°C, and keep desiccated.
