

Product Information

Radiprodil

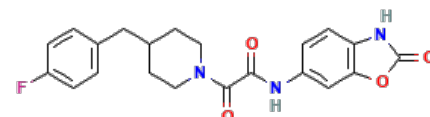
Cat. No.: X23-12-YM376

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

CAS Number: 496054-87-6

PubChem CID: 10200813

Synonym: 496054-87-6; RGH-896



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

Product Information

Description	Radiprodil, soluble in DMSO and insoluble in water and ethanol, interferes with or suppresses the transmission of signals between neurons in the nervous system.
Molecular Weight	397.4
Molecular Formula	C ₂₁ H ₂₀ FN ₃ O ₄
IUPAC Name	2-[4-[(4-Fluorophenyl)methyl]piperidin-1-yl]-2-oxo-N-(2-oxo-3H-1,3-benzoxazol-6-yl)acetamide
InChI	InChI=1S/C21H20FN3O4/c22-15-3-1-13(2-4-15)11-14-7-9-25(10-8-14)20(27)19(26)23-16-5-6-17-18(12-16)29-21(28)24-17/h1-6, 12, 14H, 7-11H2, (H, 23, 26)(H, 24, 28)
InChI Key	GKGRZLGAQZPEHO-UHFFFAOYSA-N
Canonical SMILES	C1CN(CCC1CC2=CC=C(C=C2)F)C(=O)C(=O)NC3=CC4=C(C=C3)NC(=O)O4
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 75 mg/mL (188.72 mM); Water: insoluble; Ethanol: insoluble
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Radiprodil can be studied as a lead compound for the development of novel NMDA receptor modulators with improved pharmacokinetic properties, selectivity, and therapeutic efficacy.
Storage	Store at -20°C, and keep desiccated.