

Product Information

Rimacalib

Cat. No.: X23-12-YM359

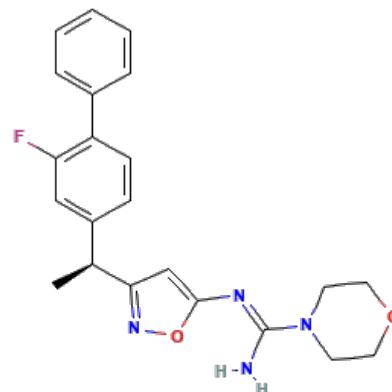
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 215174-50-8

PubChem CID: 9800765

Synonym: 215174-50-8; SMP 114

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



Product Information

Description	Rimacalib interferes with or suppresses the transmission of signals between neurons in the nervous system. It targets CaMK II α , and CaMK II γ .
Molecular Weight	394.44
Molecular Formula	C ₂₂ H ₂₃ FN ₄ O ₂
Targets	CaMK II α : 1 μ M; CaMK II γ : 30 μ M
IUPAC Name	<i>N</i> -[3-[(1 <i>S</i>)-1-(3-Fluoro-4-phenylphenyl)ethyl]-1, 2-oxazol-5-yl]morpholine-4-carboximidamide
InChI	InChI=1S/C22H23FN4O2/c1-15(17-7-8-18(19(23)13-17)16-5-3-2-4-6-16)20-14-21(29-26-20)25-22(24)27-9-11-28-12-10-27/h2-8, 13-15H, 9-12H2, 1H3, (H2, 24, 25)/t15-m/s1
InChI Key	MYTIJGWONQOOLC-HNNXBMFYSA-N
Canonical SMILES	CC(C1=CC(=C(C=C1)C2=CC=CC=C2)F)C3=NOC(=C3)N=C(N)N4CCOCC4
Isomeric SMILES	C[C@@H](C1=CC(=C(C=C1)C2=CC=CC=C2)F)C3=NOC(=C3)/N=C(N)/N4CCOCC4
Form	Lyophilized powder
Purity	>98%
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Rimacalib can be studied extensively for its potential applications in research on diseases of the central and peripheral nervous systems.
Storage	Store at -20°C, and keep desiccated.