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Product Datasheet

Reparixin, CAS [[266359-83-5]] FBM-10-2527

Artikelname	Reparixin, CAS [[266359-83-5]]
Artikelnummer	FBM-10-2527
Hersteller Artikelnummer	10-2527
Alternativnummer	FBM-10-2527-5MG,FBM-10-2527-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	CXCR 1/2 allosteric antagonist...
Molekulargewicht	283.39
Reinheit	99% by HPLC NMr (Conforms)
Formulierung	White solid
CAS Nummer	[266359-83-5]
Formel	C14H21NO3S

Anwendungsbeschreibung	Reparixin is a noncompetitive allosteric inhibitor of IL-8 (CXCL8) activation of CXCR1 and CXCR2 chemokine receptors ($IC_{50} = 1$ and 100 nM, respectively). It blocks a number of activities related to IL-8 signaling, including leukocyte recruitment ($IC_{50} = 1$ nM) without affecting receptor activation induced by other CXCR1 and CXCR2 agonists.¹ In spontaneously hypertensive rats, 5 mg/kg reparixin administered daily for three weeks was shown to reduce blood pressure by inhibiting hypertension-related mediators.² It attenuates inflammatory responses and promotes recovery of function after traumatic lesion to the spinal cord.³ Reparixin blockade (100 nM) of CXCR1 has also been used to deplete a cancer stem cell population in human breast cancer cell lines in vitro.⁴
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