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Product Datasheet

Reparixin, CAS [[266359-83-5]]

FBM-10-2527

Article Name	Reparixin, CAS [[266359-83-5]]
Biozol Catalog Number	FBM-10-2527
Supplier Catalog Number	10-2527
Alternative Catalog Number	FBM-10-2527-5MG, FBM-10-2527-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	CXCR 1/2 allosteric antagonist...
Molecular Weight	283.39
Purity	99% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[266359-83-5]
Formula	C14H21NO3S

Application Notes

Reparixin is a noncompetitive allosteric inhibitor of IL-8 (CXCL8) activation of CXCR1 and CXCR2 chemokine receptors (IC₅₀ = 1 and 100 nM, respectively). It blocks a number of activities related to IL-8 signaling, including leukocyte recruitment (IC₅₀ = 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