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Product Datasheet

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

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| 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 | C ₁₄ H ₂₁ NO ₃ S |

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| Application Notes | <p>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</p> |
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