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Product Datasheet

Maraviroc, CAS [[376348-65-1]]
FBM-10-4260

Article Name	Maraviroc, CAS [[376348-65-1]]
Biozol Catalog Number	FBM-10-4260
Supplier Catalog Number	10-4260
Alternative Catalog Number	FBM-10-4260-5MG,FBM-10-4260-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	CCR5 antagonist...
Molecular Weight	513.68
Purity	>98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[376348-65-1]
Formula	C29H41F2N5O
Application Notes	Potent and selective CCR5 antagonist with potent anti-HIV activity. It prevents HIV-1 gp120 binding to CCR5 preventing cell-cell fusion. Maraviroc inhibited MIP-1a (IC₅₀ = 3.3 nM), MIP-1b (IC₅₀ = 7.2 nM), and RANTES (IC₅₀ = 5.2 nM) binding to CCR5-expressing HEK-293.1 Clinically useful antiretroviral drug. Many cancer cells express CCR5: Maraviroc blocked metastasis of basal breast² and pancreatic cancer³ cells, induced cytotoxic and apoptotic effects in colorectal cancer cells⁴, reduced metastatic tumor growth in lungs⁵, and suppresses growth in acute ALL cells⁶. CCR5 inhibition with maraviroc induced macrophage repolarization with anti-tumoral effects.⁷