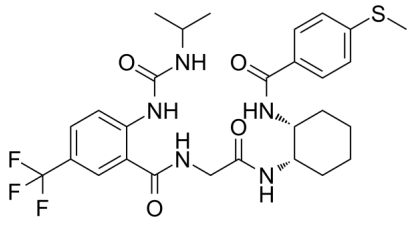


Certificate of Analysis

Catalog Number	BP15008
Product Name	BMS CCR2 22

Physical and Chemical Properties

CAS No.	445479-97-0
Chemical Formula	C ₂₈ H ₃₄ F ₃ N ₅ O ₄ S
Molecular Weight	593.67
Solubility	
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	BMS CCR2 22 is a potent, specific and high affinity CC-type chemokine receptor 2 (CCR2) antagonist. It has excellent binding affinity (binding IC ₅₀ of 5.1 nM) and potent functional antagonism (calcium flux IC ₅₀ of 18 nM and chemotaxis IC ₅₀ of 1 nM).
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Targets&IC50	CCR2:5.1 nM
In vitro	<p>BMS CCR2 22 is a potent, specific and high affinity CC-type chemokine receptor 2 (CCR2) antagonist. BMS CCR2 22 (Compound 22) has binding affinity for wild-type and E291A mutants with IC50 values of 7.5 nM and 3.7 nM, respectively. It has excellent binding affinity (binding IC50 of 5.1 nM) and potent functional antagonism (calcium flux IC50 of 18 nM and chemotaxis IC50 of 1 nM). BMS CCR2 22 inhibits the internalization of hMCP1_AF647 with an IC50 value of approximately 2 nM. BMS CCR2 22 prevents both the binding and the internalization of fluorescently labeled hMCP-1_AF647 internalization in human monocytes. The addition of BMS CCR2 22 (0.1-10 μM; 24 h), cenicriviroc (CVC) or a combination of both BMS CCR2 22 and MVC to human aortic endothelial cells (HAoECs) prior to MCP-1 stimulation do not alter E-selectin, ICAM-1, or CD99 cell surface expression. Incubation of HAoECs with BMS CCR2 22 before MCP-1 significantly increases VCAM-1 and PECAM1 cell surface levels (from 72.8 to 160% and from 97.2 and 127%, respectively).</p>

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	<p>Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.</p>

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