



Product Information

CCR inhibitor SB297006, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ132

Size: 5 mg; 10 mg; 50 mg; 100 mg

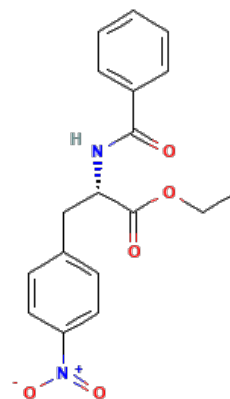
MDL: MFCD19690954

CAS Number: 58816-69-6

Compound CID: 9840971

Synonym: 58816-69-6; CCR inhibitor; SB-297006; SB 297006

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	SB297006, soluble in DMSO and ethanol and insoluble in water, specifically binds to chemokine receptors. This binding blocks the receptors and prevents the corresponding chemokines from exerting their effects on immune cells, leading to reduced chemotaxis and cell activation.
Molecular Weight	342.35
Molecular Formula	C ₁₈ H ₁₈ N ₂ O ₅
IUPAC Name	Ethyl (2S)-2-benzamido-3-(4-nitrophenyl)propanoate
InChI	InChI=1S/C18H18N2O5/c1-2-25-18(22)16(19-17(21)14-6-4-3-5-7-14)12-13-8-10-15(11-9-13)20(23)24/h3-11,16H,2,12H2,1H3,(H,19,21)/t16-/m0/s1
InChI Key	BEZXGSZPWXRHIN-INIZCTEOSA-N
Canonical SMILES	CCOC(=O)C(CC1=CC=C(C=C1)[N+](=O)[O-])NC(=O)C2=CC=CC=C2
Isomeric SMILES	CCOC(=O)[C@H](CC1=CC=C(C=C1)[N+](=O)[O-])NC(=O)C2=CC=CC=C2
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 58 mg/mL (169.41 mM); Water: Insoluble; Ethanol: 17 mg/mL (49.65 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	SB297006 is investigated for its role as a chemokine receptor inhibitor, offering insights into therapeutic strategies for inflammatory diseases.



Storage

Store at -20°C, and keep desiccated.
