

SB225002

Cat. No.:	0225LY-1146
Appearance:	Solid
Purity:	≥98%
Identity:	Confirmed by NMR, HPLC, and LC-MS.
Size:	5 mg; 10 mg; 25 mg; 50 mg; 100 mg; 200 mg; 500 mg

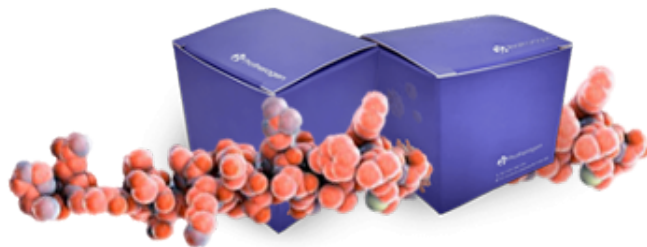
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	SB225002 is a selective and potent CXCR2 antagonist that prevents interleukin IL -8 from binding to its receptor.
Synonym	182498-32-4; sb 225002; 1-(2-bromophenyl)-3-(2-hydroxy-4-nitrophenyl)urea; SB-225002; <i>N</i> -(2-Bromophenyl)- <i>N'</i> -(2-hydroxy-4-nitrophenyl)urea; <i>N</i> -(2-hydroxy-4-nitrophenyl)- <i>N'</i> -(2-bromophenyl)urea; Urea, <i>N</i> -(2-bromophenyl)- <i>N'</i> -(2-hydroxy-4-nitrophenyl)-; 3-(2-bromophenyl)-1-(2-hydroxy-4-nitrophenyl)urea; 1-(2-bromophenyl)-3-(2-hydroxy-4-nitrophenyl)urea.
CAS No.	182498-32-4
Compound CID	3854666
Formula	C ₁₃ H ₁₀ BrN ₃ O ₄
Formula Weight	352.14

Specification

Targets&IC50	CXCR2: 22 nM
Relative Density	1.793 g/cm ³
IUPAC Name	1-(2-Bromophenyl)-3-(2-hydroxy-4-nitrophenyl)urea
InChI	InChI=1S/C13H10BrN3O4/c14-9-3-1-2-4-10(9)15-13(19)16-11-6-5-8(17(20)21)7-12(11)18/h1-7,18H,(H2,15,16,19)
InChI Key	MQBZVUNNWUIPMK-UHFFFAOYSA-N
SMILES string	C1=CC=C(C(=C1)NC(=O)NC2=C(C=C(C=C2)[N+](=O)[O-])O)Br



Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	SB225002 can be used in immunology to investigate the potent and selective antagonism of the CXCR2 chemokine receptor.

Library Information

Target	CXCR2
Receptor	CXCR2
Pathways	GPCR/G protein signaling; Autophagy; Immunology/Inflammation
Plate Number	AOCL-15
Plate Location	g2
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	71.4 mg/mL; 202.76 mM
Ethanol Max Solubility	3 mg/mL; 8.52 mM