

Product Information

TRPV inhibitor SB-705498, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ313

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

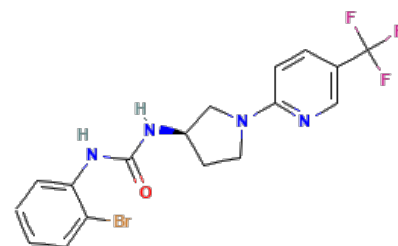
MDL: MFCD13152399

CAS Number: 501951-42-4

Compound CID: 9910486

Synonym: 501951-42-4; TRPV inhibitor; SB705498

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



Product Information

Description	SB-705498, soluble in DMSO and ethanol and insoluble in water, blocks the activity of transient receptor potential vanilloid channels, often used to study pain mechanisms. It targets hTRPV1 and hTRPV1.
Molecular Weight	428
Molecular Formula	C ₁₇ H ₁₆ BrF ₃ N ₄ O
Targets	hTRPV1: 7.6 (pKi); hTRPV1: 7.1(pIC ₅₀)
IUPAC Name	1-(2-Bromophenyl)-3-[(3R)-1-[5-(trifluoromethyl)pyridin-2-yl]pyrrolidin-3-yl]urea
InChI	InChI=1S/C17H16BrF3N4O/c18-13-3-1-2-4-14(13)24-16(26)23-12-7-8-25(10-12)15-6-5-11(9-22-15)17(19,20)21/h1-6,9,12H,7-8,10H2,(H2,23,24,26)/t12-/m1/s1
InChI Key	JYILLRHXRVTRSH-GFCCVEGCSA-N
Canonical SMILES	C1CN(CC1NC(=O)NC2=CC=CC=C2Br)C3=NC=C(C=C3)C(F)(F)F
Isomeric SMILES	C1CN(C[C@@H]1NC(=O)NC2=CC=CC=C2Br)C3=NC=C(C=C3)C(F)(F)F
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 78 mg/mL (181.71 mM); Water: Insoluble; Ethanol: 18 mg/mL (41.93 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	SB-705498 is a TRPV (transient receptor potential vanilloid) channel inhibitor used in research to



explore pain pathways and treatment through modulation of these channels.

Storage

Store at -20°C, and keep desiccated.
