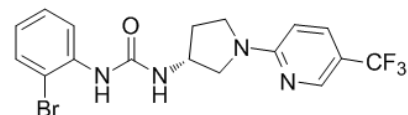


Product Name : SB-705498
Cat. No. : PC-42688
CAS No. : 501951-42-4
Molecular Formula : C₁₇H₁₆BrF₃N₄O
Molecular Weight : 429.2343
Target : TRP Channel
Solubility : 10 mM in DMSO



Biological Activity

SB-705498 (SB705498) is a potent, selective and orally bioavailable **TRPV1** antagonist with pKi of 7.6 (inhibition of capsaicin-mediated activation of hTRPV1 receptor).

SB-705498 causes rapid and reversible inhibition of the capsaicin (IC₅₀=3 nM), acid (pH 5.3), or heat (50 degrees C; IC₅₀=6 nM)-mediated activation of human TRPV1 (at -70 mV).

References

Rami HK, et al. *Bioorg Med Chem Lett*. 2006 Jun 15;16(12):3287-91.

Gunthorpe MJ, et al. *J Pharmacol Exp Ther*. 2007 Jun;321(3):1183-92.

Chizh BA, et al. *Pain*. 2007 Nov;132(1-2):132-41.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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