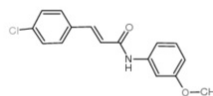


Product Name : SB366791
Synonyms : SB-366791; SB 366791; SB366791
Cat No. : M18586
CAS Number : 472981-92-3
Molecular Formula : C₁₆H₁₄ClNO₂
Formula Weight : 287.74
Chemical Name : 3-(4-chlorophenyl)-N-(3-methoxyphenyl)-2-propenamide



Description : SB-366791 is a potent and selective TRPV1 antagonist. SB-366791 inhibits glutamatergic synaptic transmission in rat spinal dorsal horn following peripheral inflammation. SB-366791 decreased capsaicin-induced Ca²⁺ influx in cultured trigeminal ganglion cells in a concentration-dependent manner (0.5-10 µM) with an IC₅₀ of 651.9 nM. SB366791 is a more selective and in vivo also a more potent TRPV1 receptor antagonist than capsazepine in the rat therefore, it may promote the assessment of the therapeutic utility of TRPV1 channel blockers.

Pathway : Others

Target : Other Targets

Receptor : TRPV1

Solubility : DMSO : ≥ 39 mg/mL 135.54 mM; H₂O : < 0.1 mg/mL

SMILES : COC1=CC=CC=C1NC(=O)/C=C/C2=CC=C(C=C2)Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Gunthorpe MJ, et al. Identification and characterisation of SB-366791, a potent and selective vanilloid receptor (VR1/TRPV1) antagonist. *Neuropharmacology*. 2004 Jan;46(1):133-49.