

产品名称 : SB 452533

同义词 : ——

产品货号 : M27705

CAS Number : 459429-39-1

分子式 : C₁₈H₂₂BrN₃O

分子量 : 376.298

化学全名 : ——

产品描述 : SB 452533 is an antagonist of the vanilloid receptor 1 (pK_b: 7.8). (In Vitro): SB 452533 significantly reduced Capsaicin-induced phosphorylation of AMPK and CAMKK2. (In Vivo): Small dose Cap significantly reduced bleomycin-induced pulmonary fibrosis in mice and obviously reversed alveolar epithelial cells epithelial-mesenchymal transition (EMT) (the expression of E-cadherin and ZO-1 were increased ($P < 0.05$ or $P < 0.01$) and the expression of α -SMA and Vimentin were decreased ($P < 0.05$ or $P < 0.01$) after drugs treatment for 21 day, concomitantly with the increase the expressions of TRPV1 and CGRP ($P < 0.05$ or $P < 0.01$), and inhibiting ERK1/2 phosphorylation and eIF3a expression ($P < 0.05$ or $P < 0.01$). These effects of small dose Cap were abolished in the presence of TRPV1 receptor antagonist SB 452533.

通路 : Membrane Transporter/Ion Channel

靶点 : TRP/TRPV Channel

受体 : NF- κ B/p65

溶解度 : In Vitro: ?DMSO : 100 mg/mL (265.75 mM)

SMILES : CCN(CCNC(=O)Nc1ccccc1Br)c1cccc(C)c1

存储条件 : (-20℃)

稳定性 : ≥ 2 years

参考文献 :

1. A new xanthone from the pericarp of *Garcinia mangostana*. Nat Prod Commun. 2013 Dec;8(12):1733-4.

仅限科学研究使用，不得用于人体。