

Product Data Sheet

Product Name: RN 1747

Cat. No.: GC15346

Chemical Properties

Cas. No. 1024448-59-6

Chemical Name 1-benzyl-4-((4-chloro-2-nitrophenyl)sulfonyl)piperazine

SMILES C1C=CC=C(C([N+])([O-])=O=C1)S(=O)(N2CCN(CC3=CC=CC=C3)CC2)=O

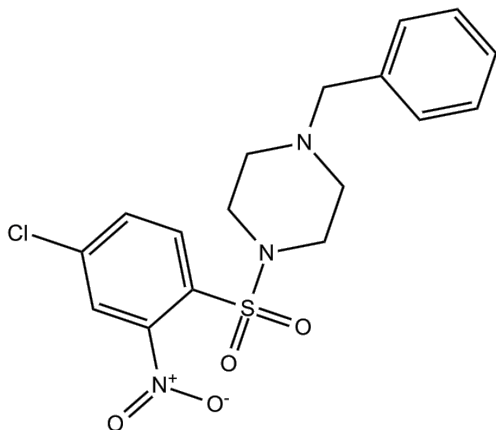
Formula $C_{17}H_{18}ClN_3O_4S$ M.Wt 395.87

Solubility <39.59mg/ml in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

RN-1747 is a selective transient receptor potential cation channel subfamily V member 4 (TRPV4) agonist, with EC₅₀ values are 0.77 μM, 4.0 μM and 4.1 μM for hTRPV4, mTRPV4 and rTRPV4 respectively. RN-1747 also antagonizes TRPM8, with an IC₅₀ of 4 μM[1].

References:

[1]. Vincent F, et al. Identification and characterization of novel TRPV4 modulators. Biochem Biophys

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Res Commun. 2009 Nov 20;389(3):490-4.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA