

Product Data Sheet

Product Name: MDR-652

Cat. No.: GC39828

Chemical Properties

Cas. No. 1933528-96-1

SMILES O=C(NC1=CC=C(CO)C(F)=C1)NCC2=C(C3=CC=CC(Cl)=C3)N=C(C(C)(C)C)S2

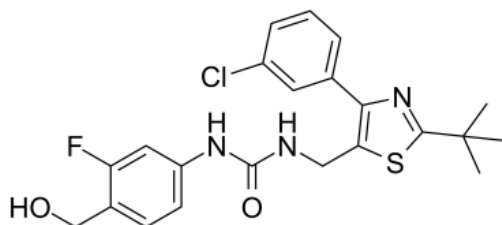
Formula C22H23ClFN3O2S M.Wt 447.95

Solubility DMSO: 250 mg/mL (558.10 mM) 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

MDR-652 is a highly specific and efficacious transient receptor potential vanilloid 1 (TRPV1) ligand with agonist activity. The K_{is} are 11.4 and 23.8 nM for hTRPV1 and rTRPV1, respectively. The EC_{50} s are 5.05 and 93 nM for hTRPV1 and rTRPV1, respectively. Potent topical analgesic activity[1].

[1]. Jihae Ann, et al. Discovery of Nonpungent Transient Receptor Potential Vanilloid 1 (TRPV1) Agonist as Strong Topical Analgesic. J Med Chem. 2020 Jan 9;63(1):418-424.

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