

Product Data Sheet

Product Name: SMO-IN-2

Cat. No.: GC73310

Chemical Properties

Cas. No. 1822355-27-0

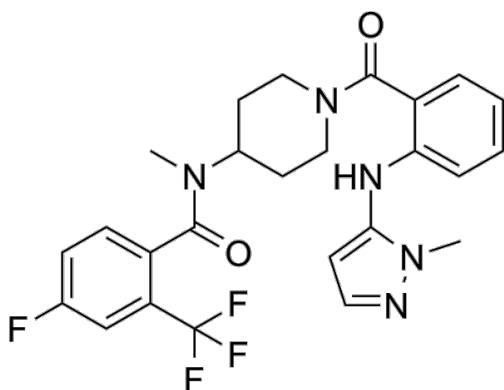
Formula $C_{25}H_{25}F_4N_5O_2$ M.Wt 503.49

Solubility DMSO : 10 mg/mL (19.86 mM; ultrasonic and warming and heat to 60°C) Storage 4°C, protect from light

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

SMO-IN-2 (compound 1) is a potent smoothened (SMO) inhibitor with an IC₅₀ value of 123.4 nM for hedgehog (Hh) signaling pathway. SMO-IN-2 has antiproliferative activity against human medulloblastoma cell line Daoy. Anticancer activity.

SMO-IN-2 (compound 1) has antiproliferative activity against human medulloblastoma cell line Daoy with an IC₅₀ of 0.51 μM[1].

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

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References:

[1]. Ji D, et al. Design, synthesis and biological evaluation of anthranilamide derivatives as potent SMO inhibitors. Bioorg Med Chem. 2020 Mar 15;28(6):115354.

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