

Product Data Sheet

Product Name: RN-1665

Cat. No.: GC73917

Chemical Properties

Cas. No. 1803003-65-7

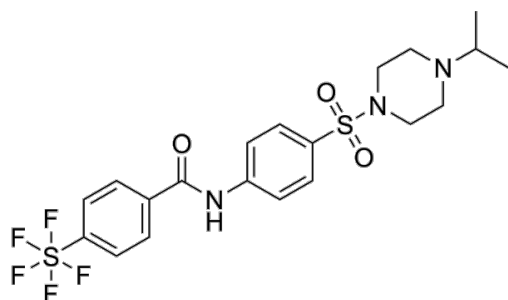
Formula $C_{20}H_{24}F_5N_3O_3S_2$ M.Wt 513.54

Solubility DMSO : 100 mg/mL (194.73 mM; Storage -20°C
Need ultrasonic)

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-1665 is an orally active TRPV4 antagonist that exhibits excellent selectivity for related TRP receptors such as TRPV1, TRPV3 and TRPM8. RN-1665 is a TRPV4 probe for focus screens, with IC₅₀s of 0.26 μM and 0.39 μM for hTRPV4 and rTRPV4 from human and rat, respectively.

Pharmacokinetic Analysis in Wistar rats[1]

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

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References:

[1]. Wei ZL, et al. Identification of orally-bioavailable antagonists of the TRPV4 ion-channel. Bioorg Med Chem Lett. 2015 Sep 15;25(18):4011-5.

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