

Product Data Sheet

Product Name: VU6036720

Cat. No.: GC71027

Chemical Properties

Cas. No. 3026597-12-3

Formula $C_{20}H_{22}ClFN_4O_2S$ M.Wt 436.93

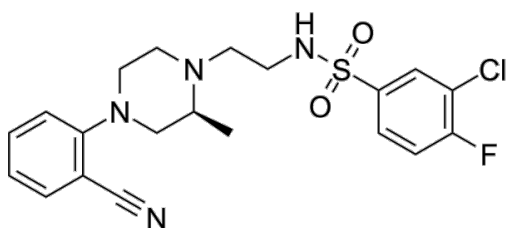
Solubility DMSO : 75 mg/mL (171.65 mM);
Need ultrasonic; Hygroscopic DMSO
has a significant impact on the
solubility of product, please use
newly opened DMSO)

Storage -20°C, protect from light, stored
under nitrogen

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

VU6036720 is a potent and specific in vitro inhibitor of Kir4.1/5.1. VU6036720 can inhibit Kir4.1/5.1 channels with an IC₅₀ value of 0.24 μM. VU6036720 can be used for the research of brain and kidney.

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

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VU6036720 can inhibit Kir4.1/5.1 channels with an IC₅₀ value of 0.24 μ M^[1].

VU6036720 inhibits Kir4.1/5.1 activity through a reduction of channel open-state probability and single-channel current amplitude^[1].

References:

[1]. Samantha J McClenahan, et al. VU6036720: The First Potent and Selective In Vitro Inhibitor of Heteromeric Kir4.1/5.1 Inward Rectifier Potassium Channels. Mol Pharmacol. 2022 May;101(5):357-370.

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