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**Product Data Sheet**

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Product Name: S-777469

Cat. No.: GC67972

**Chemical Properties**

Cas. No. 885496-53-7

Formula  $C_{23}H_{27}FN_2O_4$ 

M.Wt 414.47

Solubility DMSO : 83.33 mg/mL (201.05 mM; Need ultrasonic)

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**

S-777469 is a selective and orally available cannabinoid type 2 receptor (**CB2**) agonist with a  $K_i$  of 36 nM. S-777469 significantly suppresses compound 48/80-induced scratching behavior in mice in a dose-dependent manner. S-777469 produces its antipruritic effects by inhibiting itch signal transmission through CB2 agonism<sup>[1][2]</sup>.

[1]. Odan M, et al. Discovery of S-777469: an orally available CB2 agonist as an antipruritic agent. *Bioorg Med Chem Lett*. 2012 Apr 15;22(8):2803-6.

[2]. Haruna T, et al. S-777469, a novel cannabinoid type 2 receptor agonist, suppresses itch-associated scratching behavior in rodents through inhibition of itch signal transmission. *Pharmacology*. 2015;95(1-2):95-103.

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

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