

Product Data Sheet

Product Name: SR10067

Cat. No.: GC34810

Chemical Properties

Cas. No. 1380548-02-6

SMILES CC(OC1=CC=C(OCC2CC3=CC=CC=C3CN2C(C4=CC=CC5=C4C=CC=C5)=O)C=C1)(C)C

Formula $C_{31}H_{31}NO_3$ M.Wt 465.58

Solubility DMSO : 100 mg/mL (214.79 mM; Storage Store at -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.

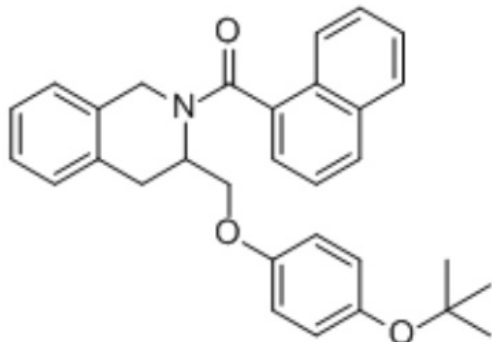
Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Structure



Background

SR10067 is a potent, selective and brain penetrant Rev-Erb α/β agonist, with IC₅₀ values are 160 and 170 nM for Rev-Erb β and Rev-Erb α , respectively. SR10067 has anxiolytic activity[1][2]. IC₅₀: 160 nM (Rev-Erb β), 170 nM (Rev-Erb α)[1].

[1]. Banerjee S, et al. Pharmacological targeting of the mammalian clock regulates sleep architecture and emotional behaviour. Nat Commun. 2014 Dec 23;5:5759. doi: 10.1038/ncomms6759. [2]. Thevis M, et al. Emerging drugs affecting skeletal muscle function and mitochondrial biogenesis - Potential implications for sports drug testing programs. Rapid Commun Mass Spectrom. 2016 Mar 15;30(5):635-51.

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