

Product Data Sheet

Product Name: Exicorilant

Cat. No.: GC70442

Chemical Properties

Cas. No. 1781244-77-6

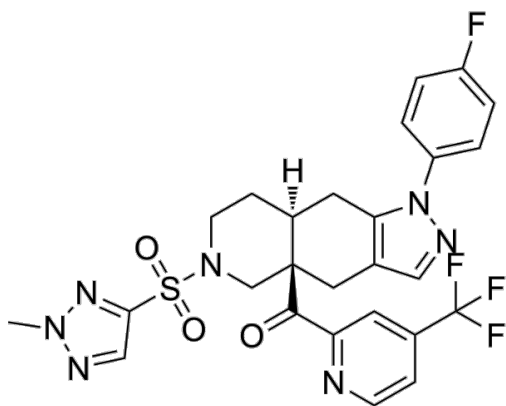
Formula $C_{26}H_{23}F_4N_7O_3S$ M.Wt 589.56

Solubility DMSO : 250 mg/mL (424.05 mM); Storage -20°C
Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

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

Exicorilant (CORT 125281) is a selective and oral active glucocorticoid receptor (GR) antagonist, with a K_i value of 7 nM. Exicorilant (CORT 125281) has potential to overcome adiposity, glucose intolerance and dyslipidaemia.

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

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Exicorilant (CORT 125281) reverses corticosterone-mediated GR activity in murine brown adipocytes in vitro^[1].

Exicorilant (CORT 125281) reduces body weight, fat mass and plasma lipids in HFD-fed mice ^[2]. Exicorilant (CORT 125281) (6, 20 or 60 mg/kg/d, for 3 weeks in mice) at different dosages reduce body weight, fat mass, plasma TG, cholesterol and FFA in a dose-dependent manner, with no effect on lean mass^[2].

References:

- [1]. Hunt HJ, et al. Identification of the Clinical Candidate (R)-(1-(4-Fluorophenyl)-6-((1-methyl-1H-pyrazol-4-yl)sulfonyl)-4,4a,5,6,7,8-hexahydro-1H-pyrazolo[3,4-g]isoquinolin-4a-yl)(4-(trifluoromethyl)pyridin-2-yl)methanone (CORT125134): A Selective Glucocorticoid Receptor (GR) Antagonist. J Med Chem. 2017 Apr 27;60(8):3405-3421.
- [2]. Kroon J, et al. Selective Glucocorticoid Receptor Antagonist CORT125281 Activates Brown Adipose Tissue and Alters Lipid Distribution in Male Mice. Endocrinology. 2018 Jan 1;159(1):535-546.

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