

Product Data Sheet

Product Name: PF-3882845

Cat. No.: GC70603

Chemical Properties

Cas. No. 1023650-66-9

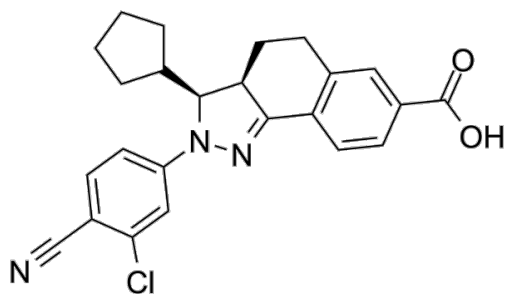
Formula $C_{24}H_{22}ClN_3O_2$ M.Wt 419.9

Solubility DMSO : 10 mg/mL (23.82 mM; Need ultrasonic and warming; Hygroscopic
Storage -20°C, protect from light, stored under nitrogen
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

PF-3882845 is a remarkably high affinity selective and orally efficacious mineralocorticoid receptor (MR binding $IC_{50}=2.7$ nM) antagonist for hypertension and nephropathy. PF-3882845 also binds to progesterone receptor (PR) with the binding IC_{50} of 310 nM.

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

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PF-3882845 reduces blood pressure, decreases urinary albumin, and protects kidney in Dahl SS rat^[1].

PF-3882845 exhibits moderate oral bioavailability (F 86%) following oral administration (2 mg/kg) in male Sprague-Dawley rats^[1].

PF-3882845 exhibits terminal elimination half-lives ($T_{1/2}$ 1.7 h) due to high plasma clearance (CL 9.8 mL/min/kg) combined with large volumes of distribution (V_{dss} 1.4 mL/kg respectively) following intravenous administration (2 mg/kg) in male Sprague-Dawley rats^[1].

References:

[1]. Meyers MJ, et al. Discovery of (3S,3aR)-2-(3-chloro-4-cyanophenyl)-3-cyclopentyl-3,3a,4,5-tetrahydro-2H-benzo[g]indazole-7-carboxylic acid (PF-3882845), an orally efficacious mineralocorticoid receptor (MR) antagonist for hypertension and nephropathy. J

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