

Product Data Sheet

Product Name: PFE-360

Cat. No.: GC36888

Chemical Properties

Cas. No. 1527475-61-1

SMILES N#CC1=CC(C2=CNC3=NC=NC(N4CCOCC4)=C32)=CN1C

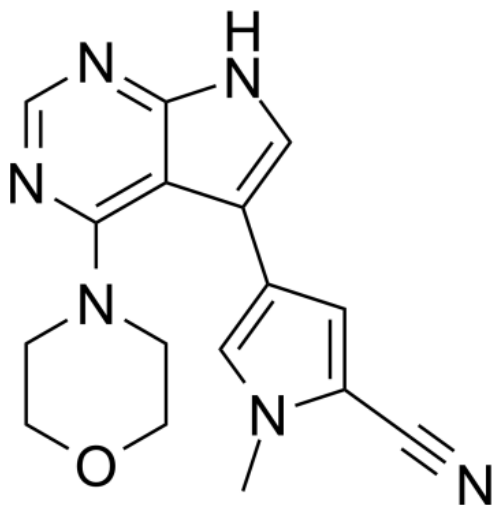
Formula $C_{16}H_{16}N_6O$ M.Wt 308.34

Solubility DMSO: 10.42 mg/mL (33.79 mM) Storage Store at -20°C

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

PFE-360 (PF-06685360) is a potent, selective, brain penetrated and orally active leucine-rich repeat kinase 2 (LRRK2) inhibitor with a mean IC₅₀ of 2.3 nM in vivo[1][2]. IC₅₀: 2.3 nM (LRRK2 in vivo) [1][2].

PFE-360 (4 mg/kg and 7.5 mg/kg, orally, BID, 10-12 weeks) treatment potently decreases the LRRK2-pSer935/total LRRK2 ratio, with no significant adverse effects[1]. Animal Model: Female Sprague Dawley rats (NTac:SD) weighed 225-250 g[3].

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

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[1]. Marco A.S. Baptista, et al. LRRK2 Kinase Inhibitors of Different Structural Classes Induce Abnormal Accumulation of Lamellar Bodies in Type II Pneumocytes in Non-Human Primates but are Reversible and Without Pulmonary Functional Consequences. [2]. Andersen MA, et al. Parkinson's disease-like burst firing activity in subthalamic nucleus induced by AAV- α -synuclein is normalized by LRRK2 modulation. *Neurobiol Dis.* 2018 Aug;116:13-27. [3]. Andersen MA, et al. PFE-360-induced LRRK2 inhibition induces reversible, non-adverse renal changes in rats. *Toxicology.* 2018 Feb 15;395:15-22.

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