

Product Data Sheet

Product Name: PF-CBP1 hydrochloride

Cat. No.: GC36887

Chemical Properties

Cas. No. 2070014-93-4

SMILES CCCCOC1=CC=C(CCC2=NC3=CC(C4=C(C)ON=C4C)=CC=C3N2CCN5CCOCC5)C=C1.Cl[H]

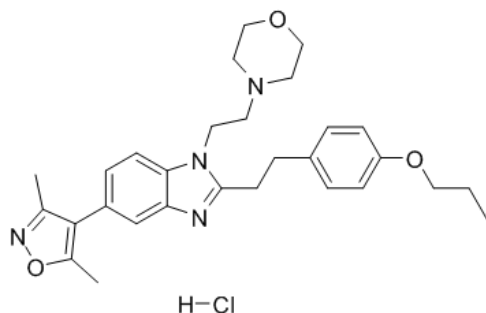
Formula $C_{29}H_{37}ClN_4O_3$ M.Wt 525.08

Solubility DMSO: 100 mg/mL (190.45 mM);
Water: < 0.1 mg/mL (insoluble) 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

PF-CBP1 hydrochloride is a highly selective inhibitor of the CREB binding protein bromodomain. Target: CREB. In vitro: PF-CBP1 modulates key inflammatory genes in primary macrophages. PF-CBP1 downregulates RGS4 in neurons, a target linked to Parkinson's disease. PF-CBP1 is 139-fold selective over BRD4 in the biochemical assays and >105-fold selective by ITC. PF-CBP1 is also a potent inhibitor of EP300 (a result observed for other CBP inhibitors. [1])

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

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[1]. Chekler EL, et al. Transcriptional Profiling of a Selective CREB Binding Protein Bromodomain Inhibitor Highlights Therapeutic Opportunities. Chem Biol. 2015 Dec 17;22(12):1588-96.

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