

Product Data Sheet

Product Name: I-CBP112 (hydrochloride)

Cat. No.: GC43889

Chemical Properties

Cas. No. 2147701-33-3

SMILES COC1=C(OC)C=C(C2=CC(OC[C@H]3CCCCN(C)C3)=C(OCCN(C(CC)=O)C4)C4=C2)C=C1.Cl

Formula C₂₇H₃₆N₂O₅•HCl

M.Wt 505.1

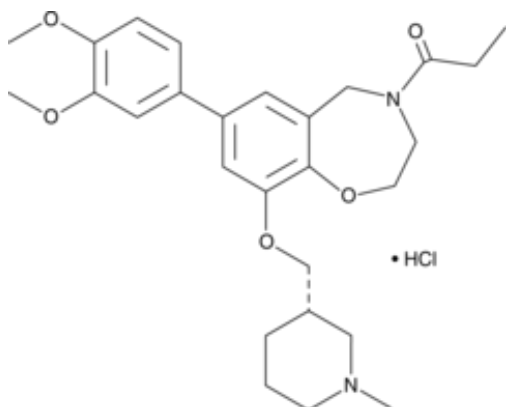
Solubility DMF: 16 mg/ml, DMSO: 16 mg/ml, Ethanol: 16 mg/ml, PBS (pH 7.2): 10 mg/ml

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

cAMP-responsive element-binding protein binding protein (CREBBP) and E1A-associated protein p300 (EP300) are transcriptional co-activators that modulate DNA replication, DNA repair, cell growth, transformation, and development. Both CBP and EP300 contain bromodomains, which mediate their binding to acetylated lysine residues on histones and other proteins. I-CBP112 is a selective inhibitor of CBP and EP300 that directly binds their bromodomains ($K_{ds} = 0.142$ and 0.625 μ M, respectively). Developed by the Structural Genomics Consortium (SGC), this compound shows

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

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

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only weak cross-reactivity with the bromodomains of bromodomain and extra-terminal proteins and shows no interaction with other bromodomains.

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