

Product Data Sheet

Product Name: JI051
Cat. No.: GC34635

Chemical Properties

Cas. No. 2234281-75-3

SMILES O=C(NCCCC1=CC=CC=C1OCC)/C=C/C2=CNC3=C2C=CC=C3OC

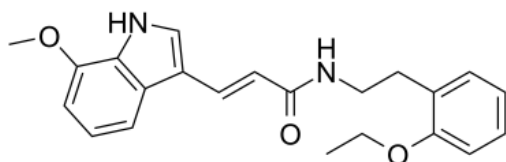
Formula C22H24N2O3 M.Wt 364.44

Solubility DMSO : 125 mg/mL (342.99 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



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

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

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Background

JI051 is a stabilizer for the Hes1-PHB2 interaction, interacts with a cancer-associated protein chaperone prohibitin 2 (PHB2), induces cell-cycle arrest by inhibiting the Notch downstream effector gene Hes1. Anti-cancer activity[1].

JI051 causes G2/M cell-cycle arrest[1].JI051 (0.1-10 μ M, 24 hours) significantly inhibits cell proliferation of HEK293 cells, with an EC50 of 0.3 μ M[1]. Cell Proliferation Assay[1] Cell Line: HEK293 cells

[1]. Perron A, et al. Small-molecule screening yields a compound that inhibits the cancer-associated transcription factor Hes1 via the PHB2 chaperone. J Biol Chem. 2018 May 25;293(21):8285-8294.

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