

Product Data Sheet

Product Name: Aurora Kinase Inhibitor 3

Cat. No.: GC38441

Chemical Properties

Cas. No. 879127-16-9

SMILES O=C(C1CC1)NC2=CC=CC(NC3=NC=CC(NC4=CC=CC(C(F)(F)F)=C4)=N3)=C2

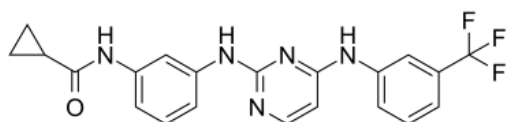
Formula $C_{21}H_{18}F_3N_5O$ M.Wt 413.4

Solubility DMSO: 125 mg/mL (302.37 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

Aurora Kinase Inhibitor 3 is a strong and selective Aurora A kinase inhibitor with an IC_{50} of 42 nM, and weakly inhibits EGFR with an $IC_{50} > 10 \mu M$. Aurora Kinase Inhibitor 3 has a binding mode with the cyclopropanecarboxylic acid moiety directed towards the solvent exposed region of the ATP-binding pocket, and several induced structural changes in the active-site compared with other published AIK structures[1].

[1]. Tari LW, et al. Structural basis for the inhibition of Aurora A kinase by a novel class of high

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

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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affinitydisubstituted pyrimidine inhibitors. Bioorg Med Chem Lett. 2007 Feb 1;17(3):688-91.

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