Product Data Sheet

Product Name: Multi-target kinase inhibitor 2
Cat. No.: GC73264

Chemical Properties

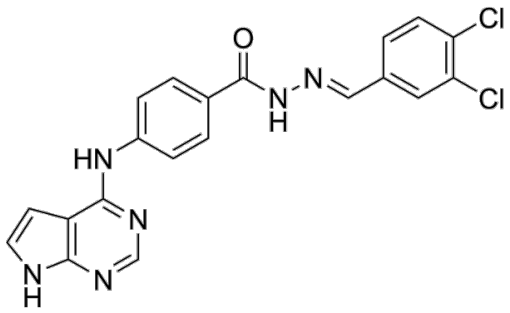
Cas. No.

Formula	$C_{20}H_{14}Cl_2N_6O$	M.Wt	425.27
Solubility	DMSO : 20 mg/mL (47.03 mM; ultrasonic and warming and heat to 60°C)	Storage	-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

Multi-target kinase inhibitor 2 (compound 5K) is a multi-targeted kinase inhibitor, and exhibits activity against EGFR, Her2, VEGFR2, and CDK2 enzymes, with IC50 values ranging from 40 to 204 nM. Multi-target kinase inhibitor 2 shows cytotoxic effects were observed against HepG2, HeLa , MDA-MB-231 and MCF-7, with IC50 of 41, 57, 51 and 59 μM. Multi-target kinase inhibitor 2 induces cell cycle arrest and apoptosis in HepG2 cells.

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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References:

[1]. Alotaibi AA, et al. Discovery of New Pyrrolo[2,3-d]pyrimidine Derivatives as Potential Multi-Targeted Kinase Inhibitors and Apoptosis Inducers. Pharmaceuticals (Basel). 2023;16(9):1324. Published 2023 Sep 19.

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