



LKT Laboratories, Inc.

GNF-5

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Product Information

Product ID G5322

CAS No. 778277-15-9

Chemical Name

Synonym

Formula $C_{20}H_{17}F_3N_4O_3$

Formula Wt. 418.38

Melting Point

Purity $\geq 99\%$

Solubility DMSO 83 mg/mL (198.38 mM)

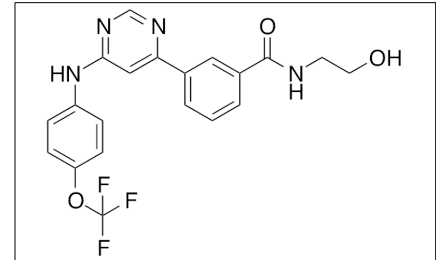
Ethanol 20 mg/mL warmed (47.8 mM)

Water Insoluble

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description GNF-5 is an inhibitor of Abl that decreases cytokinesis in vitro and displays anti-diabetic, anti-inflammatory, and anti-asthma activities. In vivo, GNF-5 prevents streptozocin-induced loss of pancreatic β -cells and normalizes blood glucose levels. GNF-5 also inhibits OVA-induced increases in IL-13 and CCL2 levels as well as airway resistance in vivo.



Bulk quantities available upon request

Product ID	Size
G5322	5 mg
G5322	25 mg
G5322	100 mg

References Karunakaran U, Park SJ, Jun do Y, et al. Non-receptor tyrosine kinase inhibitors enhances β -cell survival by suppressing the PKC δ signal transduction pathway in streptozotocin-induced β -cell apoptosis. *Cell Signal*. 2015 Jun;27(6):1066-74. PMID: 25683919.

Chen S, Tang DD. c-Abl tyrosine kinase regulates cytokinesis of human airway smooth muscle cells. *Am J Respir Cell Mol Biol*. 2014 Jun;50(6):1076-83. PMID: 24392933.

Cleary RA, Wang R, Wang T, et al. Role of Abl in airway hyperresponsiveness and airway remodeling. *Respir Res*. 2013 Oct 11;14:105. PMID: 24112389.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.