



LKT Laboratories, Inc.

BMS-754807

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Product Information

Product ID B5072

CAS No. 1001350-96-4

Chemical Name

Synonym BMS754807

Formula $C_{23}H_{24}FN_9O$

Formula Wt. 461.51

Melting Point

Purity $\geq 99\%$

Solubility DMSO 92 mg/mL (199.35 mM)

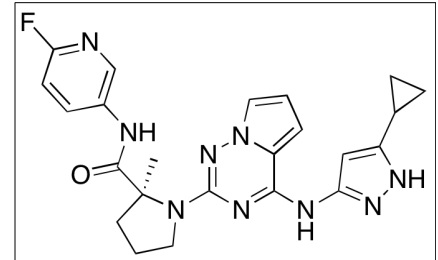
Ethanol 92 mg/mL (199.35 mM)

Water Insoluble

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

Ship Temp Ambient

Description BMS-754807 is an inhibitor of the insulin receptor (InsR) and IGF-1R that exhibits anticancer chemotherapeutic activity. BMS-754807 enhances the efficacy of other co-administered chemotherapeutics, decreasing levels of activated Akt, increasing cleavage of PARP and caspase 3, and inhibiting proliferation in pancreatic ductal adenocarcinoma cells and breast cancer cells in vitro and growth of tumor xenografts in vivo.



Bulk quantities available upon request

Product ID	Size
B5072	1 mg
B5072	5 mg
B5072	10 mg
B5072	25 mg

References Awasthi N, Zhang C, Ruan W, et al. BMS-754807, a small-molecule inhibitor of insulin-like growth factor-1 receptor/insulin receptor, enhances gemcitabine response in pancreatic cancer. *Mol Cancer Ther.* 2012 Dec;11(12):2644-53. PMID: 23047891.

Hou X, Huang F, Macedo LF, et al. Dual IGF-1R/InsR inhibitor BMS-754807 synergizes with hormonal agents in treatment of estrogen-dependent breast cancer. *Cancer Res.* 2011 Dec 15;71(24):7597-607. PMID: 22042792.

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