



LKT Laboratories, Inc.

AZD4320

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Product Information

Product ID A990144

CAS No. 1357576-48-7

Chemical Name 4-[4-[(R)-[2-(4-chlorophenyl)phenyl]-hydroxymethyl]piperidin-1-yl]-N-[4-[[[(2R)-4-[2-hydroxyethyl(methyl)amino]-1-phenylsulfany]butan-2-yl]amino]-3-(trifluoromethylsulfonyl)phenyl]sulfonylbenzamide

Synonym AZD-4320; UNII-LH1ZTY910R; LH1ZTY910R; 4-[4-[(R)-[2-(4-chlorophenyl)phenyl]-hydroxymethyl]piperidin-1-yl]-N-[4-[[[(2R)-4-[2-hydroxyethyl(methyl)amino]-1-phenylsulfany]butan-2-yl]amino]-3-(trifluoromethylsulfonyl)phenyl]sulfonylbenzamide

Formula $C_{45}H_{48}ClF_3N_4O_7S_3$

Formula Wt. 945.53

Melting Point

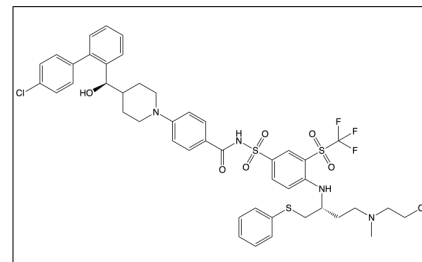
Purity ≥99%

Solubility

Store Temp -20°C

Ship Temp Ambient

Description AZD4320 is an inhibitor that targets Bcl-2 and Bcl-xL. It has been found to kill tumor cells in vitro.



Bulk quantities available upon request

Product ID	Size
A990144	1 mg
A990144	5 mg
A990144	10 mg

References Arulananda S, O'Brien M, Evangelista M, et al. A novel BH3-mimetic AZD0466, targeting BCL-XL and BCL-2 is effective in pre-clinical models of malignant pleural mesothelioma. *Cell Death Discov.* 2021 May 28;7(1):122. PMID: 34050131

Patterson C, Balachander S, Grant I, et al. Design and optimisation of dendrimer-conjugated Bcl-2/xL inhibitor, AZD0466, with improved therapeutic index for cancer therapy. *Commun Biol.* 2021 Jan 25;4(1):112. PMID: 33495510

Balachander S, Criscione S, Byth K, et al. AZD4320, a dual inhibitor of Bcl-2 and Bcl-xL, induces tumor regression in hematologic cancer models without dose-limiting thrombocytopenia. *Clin Cancer Res.* 2020 Dec 15;26(24):6535-6549. PMID: 32988967

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