



LKT Laboratories, Inc.

BLZ-945

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Product Information

Product ID B4796

CAS No. 953769-46-5

Chemical Name 4-[(2-[(1R,2R)-2-Hydroxycyclohexyl]amino)-1,3-benzothiazol-6-yl]oxy]-N-methyl-2-pyridinecarboxamide

Synonym BLZ945

Formula C₂₀H₂₂N₄O₃S

Formula Wt. 398.48

Melting Point

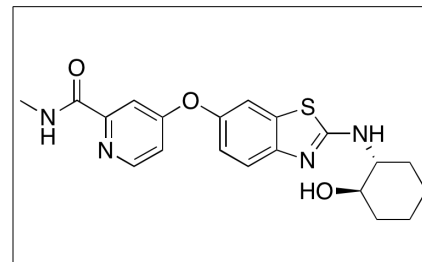
Purity ≥95%

Solubility Soluble in DMSO. Slightly soluble in ethanol. Insoluble in water.

Store Temp -20° C

Ship Temp Ambient

Description BLZ945 is an inhibitor of the CSF-1R kinase receptor; it exhibits immunostimulatory and anticancer chemotherapeutic activities and prevents skeletal metastasis of diseases. BLZ945 prevents turnover of tumor-associated macrophages and increases CD8⁺ T cell levels, limiting tumor growth in animal models of mammary carcinogenesis.



Bulk quantities available upon request

Product ID	Size
B4796	1 mg
B4796	5 mg
B4796	25 mg

References Krauser JA, Jin Y, Walles M, et al. Phenotypic and metabolic investigation of a CSF-1R kinase receptor inhibitor (BLZ945) and its pharmacologically active metabolite. *Xenobiotica*. 2015 Feb;45(2):107-23. PMID: 25180976.

Strachan DC, Ruffell B, Oei Y, et al. CSF1R inhibition delays cervical and mammary tumor growth in murine models by attenuating the turnover of tumor-associated macrophages and enhancing infiltration by CD8⁺ T cells. *Oncoimmunology*. 2013 Dec 1;2(12):e26968. PMID: 24498562.

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