



Product Information

Product ID N8760

CAS No. 761439-42-3

Chemical Name

Synonym TAE684

Formula C₃₀H₄₀ClN₇O₃S

Formula Wt. 614.21

Melting Point

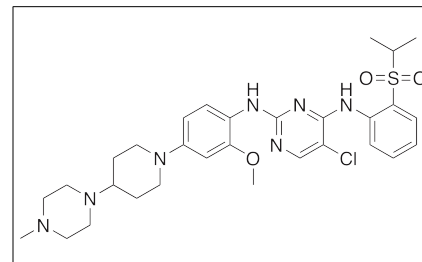
Purity ≥98%

Solubility DMSO 3 mg/mL (4.88 mM)
Water Insoluble
Ethanol Insoluble

Store Temp -20°C

Ship Temp Ambient

Description NVP-TAE684 is an inhibitor of anaplastic lymphoma kinase (ALK), c-Fes, and LRRK2 that exhibits anticancer chemotherapeutic activity. NVP-TAE684 induces apoptosis in and inhibits growth of diffuse large B-cell lymphoma cells; in animal models, it induces tumor regression. NVP-TAE684 also induces cell cycle arrest and apoptosis in animal models of anaplastic large-cell lymphoma, preventing lymphomagenesis and inducing regression.



Bulk quantities available upon request

Product ID	Size
N8760	1 mg
N8760	5 mg
N8760	10 mg

References Hellwig S, Miduturu CV, Kanda S, et al. Small-molecule inhibitors of the c-Fes protein-tyrosine kinase. *Chem Biol.* 2012 Apr 20;19(4):529-40. PMID: 22520759.

Zhang J, Deng X, Choi HG, et al. Characterization of TAE684 as a potent LRRK2 kinase inhibitor. *Bioorg Med Chem Lett.* 2012 Mar 1;22(5):1864-9. PMID: 22335897.

Cerchietti L, Damm-Welk C, Vater I, et al. Inhibition of anaplastic lymphoma kinase (ALK) activity provides a therapeutic approach for CLTC-ALK-positive human diffuse large B cell lymphomas. *PLoS One.* 2011 Apr 8;6(4):e18436. PMID: 21494621.

Galkin AV, Melnick JS, Kim S, et al. Identification of NVP-TAE684, a potent, selective, and efficacious inhibitor of NPM-ALK. *Proc Natl Acad Sci U S A.* 2007 Jan 2;104(1):270-5. Erratum in: *Proc Natl Acad Sci U S A.* 2007 Feb 6;104(6):2025. PMID: 17185414.

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