



LKT Laboratories, Inc.

I-BET-762

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lctlabs.com
Web: lctlabs.com

Product Information

Product ID I0518

CAS No. 1260907-17-2

Chemical Name

Synonym GSK525762

Formula $C_{22}H_{22}ClN_5O_2$

Formula Wt. 423.90

Melting Point

Purity $\geq 98\%$

Solubility DMSO 84 mg/mL (198.15 mM)

Ethanol 42 mg/mL warmed (99.07 mM)

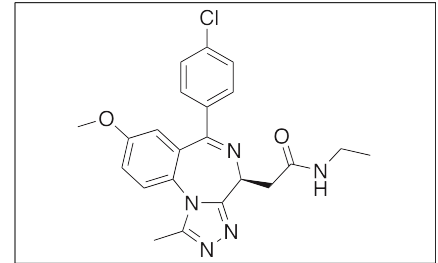
Water Insoluble

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

Ship Temp Ambient

Description

I-BET-762 is a BET bromodomain (BRD) inhibitor that prevents association of BRDs with chromatin histones; it exhibits immunosuppressive, anticancer, and anti-inflammatory activities. In animal models of experimental autoimmune encephalitis (EAE), I-BET-762 decreases production of pro-inflammatory cytokines, increases production of anti-inflammatory cytokines, and prevents antigen-specific T cell induction of pathogenesis. This compound also inhibits proliferation of B-cell acute lymphoblastic leukemia cells.



Bulk quantities available upon request

Product ID	Size
I0518	1 mg
I0518	5 mg
I0518	10 mg
I0518	25 mg

References Ma S, Chen C, Zhu J, et al. In vitro study of BRD4 inhibitor GSK525762A against primary adult common B-cell acute lymphoblastic leukemia cells in vitro. *Zhonghua Xue Ye Xue Za Zhi*. 2015 Jul 14;36(7):563-9. PMID: 26304078.

Bandukwala HS, Gagnon J, Togher S, et al. Selective inhibition of CD4+ T-cell cytokine production and autoimmunity by BET protein and c-Myc inhibitors. *Proc Natl Acad Sci U S A*. 2012 Sep 4;109(36):14532-7. PMID: 22912406.

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