



LKT Laboratories, Inc.

I-BET151

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Product Information

Product ID I0516

CAS No. 1300031-49-5

Chemical Name

Synonym GSK-1210151A, GSK1210151A

Formula $C_{23}H_{21}N_5O_3$

Formula Wt. 415.44

Melting Point

Purity $\geq 98\%$

Solubility Ethanol 27 mg/mL (64.99 mM)

DMSO Insoluble

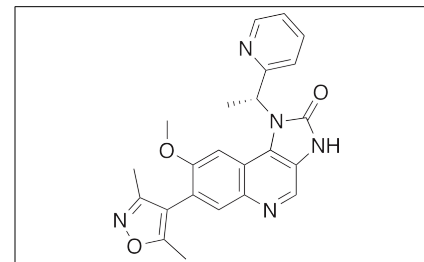
Water Insoluble

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

Ship Temp Ambient

Description

I-BET-151 is a BET bromodomain (BRD) inhibitor that inhibits BRD2, BRD3, and BRD4. I-BET-151 exhibits anticancer chemotherapeutic and anti-inflammatory activities. In vitro and in vivo, this compound induces apoptosis and inhibits cellular proliferation in various cancer models. I-BET-151 inhibits recruitment of the P-TEFb component of cyclin-dependent kinase 9 (CDK9) to chromatin, causing transcriptional regression of Myc. I-BET-151 also inhibits bacteria-induced inflammation and sepsis in animal models.



Bulk quantities available upon request

Product ID	Size
I0516	1 mg
I0516	5 mg
I0516	10 mg
I0516	25 mg

References Chaidos A, Caputo V, Gouvedenou K, et al. Potent antimyeloma activity of the novel bromodomain inhibitors I-BET151 and I-BET762. *Blood*. 2014 Jan 30;123(5):697-705. PMID: 24335499.

Seal J, Lamotte Y, Donche F, et al. Identification of a novel series of BET family bromodomain inhibitors: binding mode and profile of I-BET151 (GSK1210151A). *Bioorg Med Chem Lett*. 2012 Apr 15;22(8):2968-72. PMID: 22437115.

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