Datasheet for ABIN7233265

JQ1 (+/-)

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Overview

Quantity:	5 mg
Application:	Inhibition (Inh)

Product Details

Purpose:	Bromodomain inhibitor
Characteristics:	JQ1 is a potent BET bromodomain inhibitor. IC50 = 17.7, 32.6, 76.9 and 12942 nM respectively for BRD2 (N-terminal (N)), BRD4 (C-terminal (C)), BRD4 (N) and CREBBP respectively. Competitive binding by JQ1 displaces the BRD4 fusion oncoprotein from chromatin, prompting squamous differentiation and specific antiproliferative effects in BRD4-dependent cell lines and patient-derived xenograft models establishing proof-of-concept for targeting protein-protein interactions of epigenetic readers.
Purity:	>98 %
Chemical Name:	(6R,S)-4-(4-Chlorophenyl)-2,3,9-trimethyl-6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepine-6-acetic acid 1,1-dimethylethyl ester
Formula:	C23H25ClN4O2S
Solubility:	Soluble in DMSO (up to 9 mg/ml) or in Ethanol (up to 9 mg/ml) with warming.

Target Details

Background:	Epigenetics,Proliferation,Bromodomain,Cancer,Posttranslational modification,Chromatin
Molecular Weight:	457.00
CAS-No:	1268524-69-1

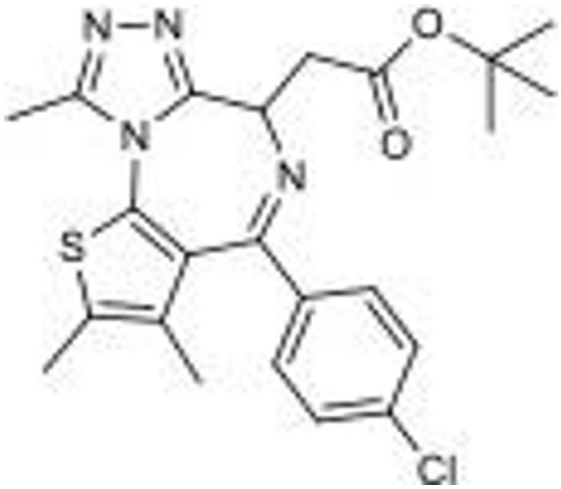
Application Details

Restrictions:	For Research Use only

Handling

Format:	Powder
Precaution of Use:	GHS – Classification Pharmacologically active compound that has not been fully tested May be harmful if swallowed, inhaled or absorbed through skin Exposure may cause irritation to skin, eyes and upper respiratory tract Specific target organ toxicity - unknown
Storage:	RT

Images



Molecule

Image 1. /