Datasheet for ABIN7233264

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 and is the active isomer. 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 (data for + isomer). 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. Induces squamous differentiation in NMC cell lines and inhibits tumor growth in NMC xenografts. Displays reversible contraceptive effects in male mice. Blocks inflammation and bone loss in periodontitis. Reverses CAR T cell extinction.
Purity:	>98 %
Chemical Name:	(6S)-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 60 mg/ml) or in Ethanol (up to 46 mg/ml)

Target Details

Background:	Epigenetics,Proliferation,Bromodomain,Inflammation,Cancer,Posttranslational modification,Chromatin

Target Details

Molecular Weight:	457.0
CAS-No:	1268524-70-4

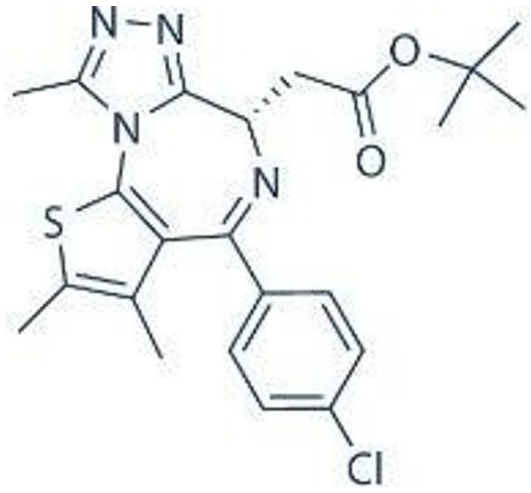
Application Details

Restrictions:	For Research Use only

Handling

Format:	Powder
Precaution of Use:	GHS – Classification Not a hazardous substance or mixture
Storage:	RT

Images



Molecule

Image 1. /

