

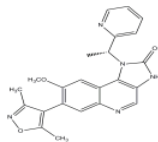
PRODUCT: I-BET151

ALTERNATE NAME: GSK1210151A

CATALOG #: 2220-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:

MOLECULAR FORMULA: C₂₃H₂₁N₅O₃

MOLECULAR WEIGHT: 415.44

CAS NUMBER: 1300031-49-5

APPEARANCE: Beige to pale yellow solid

SOLUBILITY: DMSO (100 mM) or Ethanol (100 mM)

PURITY: ≥98% by HPLC (>99.5% optical purity)

STORAGE: At -20° C. Protect from air and moisture

DESCRIPTION: A BET bromodomain inhibitor that interacts with BRD4 and BRD3 BET proteins and displaces them from chromatin; displays high efficacy against human and murine MLL-fusion leukemic cell lines, through the induction of early cell cycle arrest and apoptosis. The mode of action is, at least in part, due to suppressing the transcription of key genes (BCL2, C-MYC and CDK6) that are critical for MLL-fusion leukemia maintenance.

REFERENCE: Dawson, M.A., *et al.* (2011). *Nature* **478**, 529-533.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

AMI-1 (Cat. No. 1943-5, 25)

5-Aza-2'-deoxycytidine (Cat. No. 1754-10, 50)

BIX01294 (Cat. No. 1678-5, 25)

Bromodomain Inhibitor, (+)-JQ1 (Cat. No. 2070-1, 5)

EZSolution™ (+)-JQ1 (Cat. No. 2091-1)

3-Deazaneplanocin (Cat. No. 2060-250, 1000)

PFI-1 (Cat. No. 2203-1, 5)

RG108 (Cat. No. 1679-10, 30)

UNC0638 (cat. No. 1933-1, 5)

USAGE:

FOR RESEARCH CH USE ONLY! Not to be used in humans