



Datasheet for ABIN7233306

UNC-2170 HCl



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1 Image

Overview

Quantity: 5 mg

Application: Inhibition (Inh)

Product Details

Purpose: Methyl-lysine binding protein inhibitor

Characteristics: UNC-2170, identified by screening, was found to be a μM ligand for 53BP1 which also demonstrated at least 17-fold selectivity for 53BP1 over other methyl-lysine binding proteins. The DNA damage response protein 53BP1 utilizes its tandem tudor domain to recognize dimethylated lysine 20 on histone (H4K20me2), a modification associated with double-strand DNA breaks. UNC-2170 functions as a 53BP1 antagonist in cell lysates and suppresses class switch recombination in whole cells, a process requiring a functioning 53BP1 tudor domain.

Purity: >98 %

Chemical Name: 3-Bromo-N-(3-(tert-butylamino)propyl)benzamide, hydrochloride

Formula: $\text{C}_{14}\text{H}_{21}\text{BrN}_2 \cdot \text{HCl}$

Solubility: Soluble in DMSO (up to 40 mg/ml) or in Water (up to 50 mg/ml)

Target Details

Background: Epigenetics,DNA,Chromatin,DNA repair

Molecular Weight: 349.7

CAS-No: 1648707-58-7

Application Details

Restrictions: For Research Use only

Handling

Format: Powder

Precaution of Use: GHS – Classification
Not a hazardous substance

Storage: -20 °C

Images

Molecule

Image 1. /

