

UNC2170 maleate

## Chemical Properties

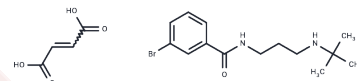
CAS No. : 2173992-60-2

Formula: C<sub>14</sub>H<sub>21</sub>BrN<sub>2</sub>O<sub>2</sub>C<sub>4</sub>H<sub>4</sub>O<sub>4</sub>

Molecular Weight: 429.31

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	53BP1-binding protein 1 (53BP1) engages with dimethylated lysine 20 on histone 4 (H4K20me <sub>2</sub> ) through its tandem tudor domains within a homodimer configuration, crucial for the DNA damage response. UNC2170, a micromolar 53BP1 ligand, selectively interacts with this site, demonstrating at least 17-fold preference for 53BP1 over similar proteins. This interaction occurs in a pocket formed by the 53BP1's tudor domains. Moreover, UNC2170 acts as an antagonist to 53BP1 in cellular lysates, effectively inhibiting class switch recombination, a process dependent on the functional 53BP1 tudor domain, thus confirming its cellular activity.
Targets(IC <sub>50</sub> )	Others,DNA/RNA Synthesis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3293 mL	11.6466 mL	23.2932 mL
5 mM	0.4659 mL	2.3293 mL	4.6586 mL
10 mM	0.2329 mL	1.1647 mL	2.3293 mL
50 mM	0.0466 mL	0.2329 mL	0.4659 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286

E\_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481