

Catalog	Unit
TBI1558-5MG	5 mg
TBI1558-25MG	25 mg

Product Details

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

Molecular Formula: C₁₄H₂₁BrN₂O · HCl

Formula Weight: 349.69

CAS Number: 1648707-58-7

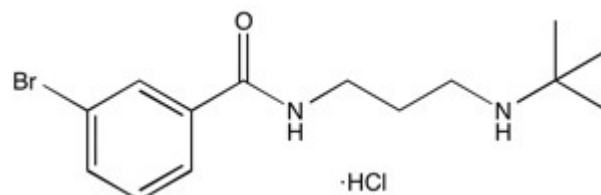
Purity: >98%

Formulation: powder

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

Storage: -20°C

Stability: ≥ 1 year.



Applications

Methyl-lysine binding protein inhibitor

Functions

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.

Application Procedures

First dissolved in DMSO (up to 40 mg/ml) or in Water (up to 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20°C for up to 3 months.

For research use only.