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## Product Datasheet

### UNC-2170 HCl, CAS [[1648707-58-7]] FBM-10-1558

Article Name	UNC-2170 HCl, CAS [[1648707-58-7]]
Biozol Catalog Number	FBM-10-1558
Supplier Catalog Number	10-1558
Alternative Catalog Number	FBM-10-1558-5MG, FBM-10-1558-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Methyl-lysine binding protein inhibitor...
Molecular Weight	349.69
Purity	98% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[1648707-58-7]
Formula	C <sub>14</sub> H <sub>21</sub> BrN <sub>2</sub> O HCl
Application Notes	The DNA damage response protein 53BP1 utilizes its tandem tudor domain to recognize dimethylated lysine 20 on histone (H4K20me <sub>2</sub> ), a modification associated with double-strand DNA breaks. 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 compound functions as a 53BP1 antagonist in cell lysates and suppresses class switch recombination in whole cells, a process requiring a functioning 53BP1 tudor domain. <sup>1</sup>