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## Product Datasheet

### **CPI-455, CAS [[1628208-23-0]]** **FBM-10-4035**

Article Name	CPI-455, CAS [[1628208-23-0]]
Biozol Catalog Number	FBM-10-4035
Supplier Catalog Number	10-4035
Alternative Catalog Number	FBM-10-4035-5MG,FBM-10-4035-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Lysine demethylase KDM5 inhibitor...
Molecular Weight	278.32
Purity	98% by HPLC NMR (conforms)
Form	Off-white solid
CAS Number	[1628208-23-0]
Formula	C16H14N4O
Application Notes	CPI-455 (1628208-23-0) is a potent ( $IC_{50} = 10 \text{ nM}$ ) and selective inhibitor of the lysine demethylase KDM5 (equal inhibition of KDM5A, 5B, 5C). <sup>1</sup> CPI-455 reduced the number of drug-tolerant persister cancer cells (DTPs) in a dose-dependent, KDM5-dependent manner in multiple cell lines treated with standard chemotherapy or targeted agents. CPI-455 synergized with 5-aza-2-deoxycytidine (DAC) to reduce the viability of luminal breast cancer cells in vitro. <sup>2</sup> KDM5 demethylases have recently been shown to repress the immune response to tumors via suppression of STING. <sup>3</sup>