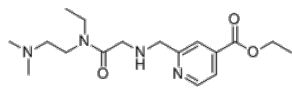


Product Name	: KDM5-C70	
Synonyms	: KDM5 inhibitor C70	
Cat No.	: M12280	
CAS Number	: 1596348-32-1	
Molecular Formula	: C17H28N4O3	
Formula Weight	: 336.43	
Chemical Name	Ethyl 2-(((2-((2-(dimethylamino)ethyl)(ethyl)amino)-2-oxoethyl)amino)methyl)isonicotinate	
Description	KDM5-C70 is the cell-permeable derivative of KDM5-C49, potent, selective and cell permeable KDM5 inhibitor with IC50 of 0.3, 0.3 and 0.58 uM for KDM5A, B and C, respectively; significantly increases global levels of H3K4me3, while having little impact on H3K4me2/me1, or modifications regulated by other histone lysine demethylases, such as H3K27me3 (substrate for the KDM6 family) and H3K9me3/H3K36me3 (substrates for the KDM4 family).	
Pathway	: Chromatin/Epigenetic	
Target	: Histone Demethylase	
Receptor	: Histone Demethylase	
Solubility	: —	
SMILES	<chem>O=C(OCC)C1=CC=NC(CNCC(N(CCN(C)C)CC)=O)=C1</chem>	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference		

1. Johansson C, et. Nat Chem Biol. 2016 Jul;12(7):539-45. | 2. Horton JR, et al. Cell Chem Biol. 2016 Jul 21;23(7):769-81.