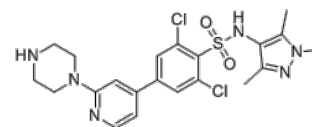


Product Name : DDD85646
Cat. No. : PC-62880
CAS No. : 1215010-55-1
Molecular Formula : $_{21}H_{24}Cl_2N_6O_2S$
Molecular Weight : 495.423
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

DDD 85646 (IMP-366) is a potent, specific, dual N-Myristoyltransferase **NMT1/NMT2** inhibitor with IC₅₀ of 17 nM/22 nM respectively.

DDD 85646 (IMP-366) inhibits myristoylation of an overexpressed protein construct in-cell-based microscopy assays.

DDD 85646 (IMP-366) has no significant affect protein synthesis in cells.

DDD 85646 (IMP-366) causes complete inhibition of N-myristoylation in cells at 1-10 uM.

DDD 85646 (IMP-366) induces ER-stress, cell cycle arrest, and apoptosis in cancer cells.

References

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Thinon E, et al. *ACS Chem Biol.* 2016 Aug 19;11(8):2165-76.

Brand S, et al. *J Med Chem.* 2012 Jan 12;55(1):140-52.

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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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