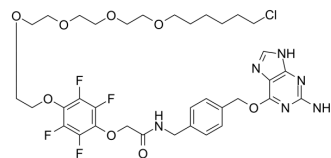


HaXS8

Cat. No.:	HY-131015		
CAS No.:	2080306-25-6		
Molecular Formula:	C ₃₅ H ₄₃ ClF ₄ N ₆ O ₈		
Molecular Weight:	787.2		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	HaXS8 is a dimerizer that can promote a covalent and irreversible intracellular dimerization of HaloTag and SNAP-tagged proteins of interest. HaXS8 does not interfere with PI3K/mTOR signaling ^{[1][2]} .
In Vitro	<p>HaXS8 promotes intracellular dimerization of Halo-GFP and SNAP-GFP fusion proteins reached >65%, and displays significant intracellular dimerization as low as 50 nM in HeLa cells^[1].</p> <p>HaXS8 (0.5 μM; 40 min) induces a rapid and efficient cross-linking of the membrane anchor and the iSH2 construct, and triggers the activation of the downstream targets PKB/Akt and mTOR in HEK293 cells^[1].</p> <p>HaXS8 (0.5 μM; 40 min) does not upregulate MAPK phosphorylation in HEK293 cells^[1].</p> <p>HaXS8 (0.5 μM; 1 h) does not interfere with PI3K/mTOR signaling in HEK293 cells^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

- [1]. Erhart D, et, al. Chemical development of intracellular protein heterodimerizers. *Chem Biol.* 2013 Apr 18; 20(4): 549-57.
- [2]. Saha I, et, al. Dynamics of the HIV Gag Lattice Detected by Localization Correlation Analysis and Time-Lapse iPALM. *Biophys J.* 2020 Aug 4; 119(3): 581-592.

Caution: Product has not been fully validated for medical applications. For research use only.

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