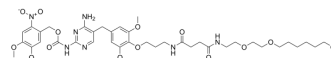


NVOC cage-TMP-Halo

Cat. No.:	HY-153890		
CAS No.:	2137894-98-3		
Molecular Formula:	C ₄₀ H ₅₆ ClN ₇ O ₁₃		
Molecular Weight:	878.36		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	NVOC cage-TMP-Halo is a cell-permeable and photoactivatable protein dimerization inducer. NVOC cage-TMP-Halo can rapidly and reversibly control protein localization in living cells. NVOC cage-TMP-Halo can be used for dynamic cellular processes research ^[1] .
In Vitro	NVOC cage-TMP-Halo (20μM, 60 min) exhibited dramatic recruitment of mCherry-eDHFR to centromeres with a t _{1/2} of ~ 15 s of expressing CENPB-GFP-Haloenzyme and mCherry-eDHFR HeLa cell line ^[1] . NVOC cage-TMP-Halo (20μM, 15, 30, and 60 min) has the power for spatially precise manipulation of protein localization in HeLa cell line ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ballister ER, et al. Localized light-induced protein dimerization in living cells using a photocaged dimerizer. Nat Commun. 2014 Nov 17;5:5475.

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

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