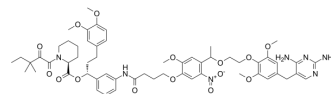


Zapalog

Cat. No.:	HY-126316		
CAS No.:	1708091-24-0		
Molecular Formula:	C ₅₈ H ₇₃ N ₇ O ₁₅		
Molecular Weight:	1108		
Target:	FKBP		
Pathway:	Apoptosis; Autophagy; Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (90.25 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	0.9025 mL	4.5126 mL	9.0253 mL
5 mM	0.1805 mL	0.9025 mL	1.8051 mL
10 mM	0.0903 mL	0.4513 mL	0.9025 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Zapalog is a photocleavable small-molecule heterodimerizer that can be used to repeatedly initiate, and instantaneously terminate, a physical interaction between two target proteins. Zapalog dimerizes any two proteins tagged with the FKBP and DHFR domains until exposure to light causes its photolysis^[1].

IC₅₀ & Target

FKBP, DHFR^[1]

REFERENCES

[1]. Gutnick A, et al. The light-sensitive dimerizer zapalog reveals distinct modes of immobilization for axonal mitochondria. *Nat Cell Biol.* 2019 Jun;21(6):768-777.

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

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