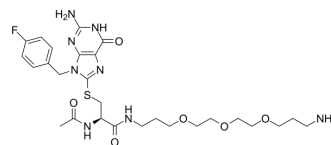


FBnG-(Cys-acetamide)-CH₂-PEG₃-CH₂-CH₂-CH₂-NH₂

Cat. No.:	HY-150408
CAS No.:	2241669-84-9
Molecular Formula:	C ₂₇ H ₃₉ FN ₈ O ₆ S
Molecular Weight:	622.71
Target:	AUTACs
Pathway:	Autophagy; PROTAC
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (160.59 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.6059 mL	8.0294 mL	16.0588 mL
				5 mM	0.3212 mL	1.6059 mL	3.2118 mL
				10 mM	0.1606 mL	0.8029 mL	1.6059 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.01 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.01 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.01 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	FBnG-(Cys-acetamide)-CH ₂ -PEG ₃ -CH ₂ -CH ₂ -CH ₂ -NH ₂ is a linker of AUTAC4. AUTAC4 contains a p-fluorobenzylguanine (FBnG) and a phenylindole moiety, which can induce K63-linked polyubiquitination and degradation of mitochondria in HeLa cells ^[1] .
-------------	---

REFERENCES

[1]. Takahashi D, et al. AUTACs: Cargo-Specific Degradors Using Selective Autophagy. Mol Cell. 2019 Dec 5;76(5):797-810.e10.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA