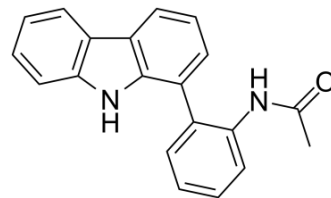


## GeA-69

Cat. No.:	HY-108708
CAS No.:	2143475-98-1
Molecular Formula:	C <sub>20</sub> H <sub>16</sub> N <sub>2</sub> O
Molecular Weight:	300.35
Target:	PARP
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : ≥ 125 mg/mL (416.18 mM) * "≥" means soluble, but saturation unknown.				
	Preparing Stock Solutions	Mass	1 mg	5 mg	10 mg
		Solvent			
		Concentration			
	1 mM	3.3294 mL	16.6472 mL	33.2945 mL	
	5 mM	0.6659 mL	3.3294 mL	6.6589 mL	
	10 mM	0.3329 mL	1.6647 mL	3.3294 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: ≥ 2.08 mg/mL (6.93 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (6.93 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	GeA-69 is a selective, allosteric inhibitor of poly-adenosine-diphosphate-ribose polymerase 14 (PARP14) targeting macrodomain 2, with a K <sub>d</sub> of 2.1 μM <sup>[1]</sup> .
IC <sub>50</sub> & Target	PARP14 2.1 μM (Kd)

### REFERENCES

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[1]. Schuller M, et al. Discovery of a Selective Allosteric Inhibitor Targeting Macrodomain 2 of Polyadenosine-Diphosphate-Ribose Polymerase 14. ACS Chem Biol. 2017 Nov 17;12(11):2866-2874.

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

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