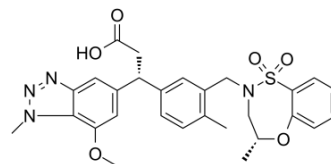


## KI696 isomer

Cat. No.:	HY-101140A
CAS No.:	1799974-69-8
Molecular Formula:	C <sub>28</sub> H <sub>30</sub> N <sub>4</sub> O <sub>6</sub> S
Molecular Weight:	550.63
Target:	Keap1-Nrf2
Pathway:	NF-κB
Storage:	Please store the product under the recommended conditions in the COA.



### Solvent & Solubility

#### In Vitro

DMSO : 125 mg/mL (227.01 mM; Need ultrasonic)  
 H<sub>2</sub>O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.8161 mL	9.0805 mL	18.1610 mL
	5 mM	0.3632 mL	1.8161 mL	3.6322 mL
	10 mM	0.1816 mL	0.9081 mL	1.8161 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 (3.78 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

KI696 isomer is the less active isomer of KI696. KI696 is a high affinity probe that disrupts the Keap1/NRF2 interaction.

### REFERENCES

[1]. Davies TG, et al. Monoacidic Inhibitors of the Kelch-like ECH-Associated Protein 1: Nuclear Factor Erythroid 2-Related Factor 2 (KEAP1:NRF2) Protein-Protein Interaction with High Cell Potency Identified by Fragment-Based Discovery. *J Med Chem.* 2016 Apr 28;59(8):3991-4006.

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

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