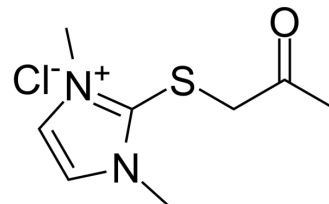


## TG-2-IN-1

Cat. No.:	HY-117678
CAS No.:	135273-74-4
Molecular Formula:	C <sub>8</sub> H <sub>13</sub> ClN <sub>2</sub> OS
Molecular Weight:	220.72
Target:	Glutaminase
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * The compound is unstable in solutions, freshly prepared is recommended.



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 100 mg/mL (453.06 mM; Need ultrasonic)  
DMSO : 25 mg/mL (113.27 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		4.5306 mL	22.6531 mL	45.3063 mL
	5 mM		0.9061 mL	4.5306 mL	9.0613 mL
	10 mM		0.4531 mL	2.2653 mL	4.5306 mL

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

### BIOLOGICAL ACTIVITY

#### Description

TG-2-IN-1 (Compound D003) is a transglutaminase-2 (TGM-2) inhibitor. TG-2-IN-1 can be used for the research of myopia<sup>[1]</sup>.

### REFERENCES

[1]. Roger W. Beuerman, et al. Transglutaminase-2 inhibitors and uses thereof. US20140050779A1.

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

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