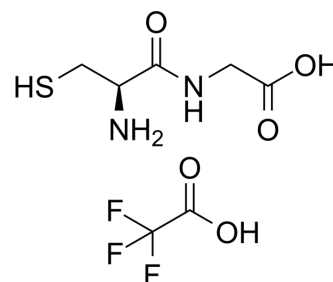


## Cysteinylglycine TFA

<b>Cat. No.:</b>	HY-113110A
<b>CAS No.:</b>	1100364-95-1
<b>Molecular Formula:</b>	C <sub>7</sub> H <sub>11</sub> F <sub>3</sub> N <sub>2</sub> O <sub>5</sub> S
<b>Molecular Weight:</b>	292.23
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Sealed storage, away from moisture and light, under nitrogen
	Powder    -80°C    2 years
	-20°C    1 year

\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 250 mg/mL (855.49 mM; Need ultrasonic)  
 H<sub>2</sub>O : 125 mg/mL (427.75 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.4220 mL	17.1098 mL	34.2196 mL
	5 mM	0.6844 mL	3.4220 mL	6.8439 mL
	10 mM	0.3422 mL	1.7110 mL	3.4220 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
 Solubility: ≥ 2.08 mg/mL (7.12 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
 Solubility: ≥ 2.08 mg/mL (7.12 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
 Solubility: ≥ 2.08 mg/mL (7.12 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Cysteinylglycine TFA is an endogenous metabolite and used in disease diagnosis<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

Human Endogenous Metabolite

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## REFERENCES

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[1]. Houghton SC, et al. Plasma B-vitamin and one-carbon metabolites and risk of breast cancer before and after folic acid fortification in the United States. *Int J Cancer*. 2019 Apr 15;144(8):1929-1940.

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

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