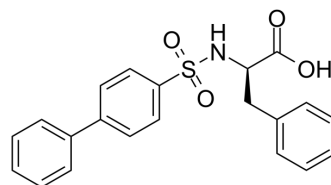


## MMP-2/MMP-9-IN-1

Cat. No.:	HY-116399
CAS No.:	193807-58-8
Molecular Formula:	C <sub>21</sub> H <sub>19</sub> NO <sub>4</sub> S
Molecular Weight:	381.44
Target:	MMP
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (131.08 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.6216 mL	13.1082 mL	26.2164 mL
				5 mM	0.5243 mL	2.6216 mL	5.2433 mL
				10 mM	0.2622 mL	1.3108 mL	2.6216 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 (6.55 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.55 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	MMP-2/MMP-9-IN-1 is a highly selective, orally active and potent type IV collagenase (MMP-9 and MMP-2) inhibitor with IC <sub>50</sub> s of 0.24 and 0.31 μM for MMP-9 and MMP-2, respectively. MMP-2/MMP-9-IN-1 is orally active in animal models of tumor growth and metastasis. MMP-2/MMP-9-IN-1 can be used for the research of cancer <sup>[1]</sup> .
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### REFERENCES

[1]. Y Tamura, et al. Highly selective and orally active inhibitors of type IV collagenase (MMP-9 and MMP-2): N-sulfonylamino acid derivatives. J Med Chem. 1998 Feb 12;41(4):640-9.

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

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