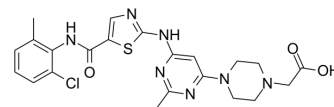


## Dasatinib metabolite M6

<b>Cat. No.:</b>	HY-131669
<b>CAS No.:</b>	910297-53-9
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>24</sub> ClN <sub>7</sub> O <sub>3</sub> S
<b>Molecular Weight:</b>	501.99
<b>Target:</b>	Drug Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (199.21 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent Concentration</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>1 mM</b>		1.9921 mL	9.9604 mL	19.9207 mL
		<b>5 mM</b>		0.3984 mL	1.9921 mL	3.9841 mL
		<b>10 mM</b>		0.1992 mL	0.9960 mL	1.9921 mL
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (4.98 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.98 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (4.98 mM); Clear solution</li> </ol>					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Dasatinib metabolite M6 (Dasatinib carboxylic acid) is an oxidative metabolite of Dasatinib (HY-10181). Dasatinib is a potent and orally active dual Bcr-Abl and Src family tyrosine kinase inhibitor <sup>[1]</sup> .
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### REFERENCES

[1]. Lisa J Christopher, et al. Biotransformation of [14C]dasatinib: in vitro studies in rat, monkey, and human and disposition after administration to rats and monkeys. Drug Metab Dispos. 2008 Jul;36(7):1341-56.

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

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