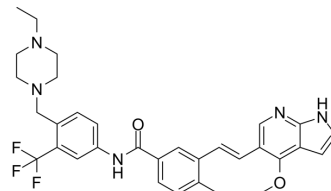


## HG6-64-1

Cat. No.:	HY-12291
CAS No.:	1315329-43-1
Molecular Formula:	C <sub>32</sub> H <sub>34</sub> F <sub>3</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	577.64
Target:	Raf
Pathway:	MAPK/ERK Pathway
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : ≥ 100 mg/mL (173.12 mM) * "≥" means soluble, but saturation unknown.																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>1.7312 mL</td> <td>8.6559 mL</td> <td>17.3118 mL</td> </tr> <tr> <td>5 mM</td> <td>0.3462 mL</td> <td>1.7312 mL</td> <td>3.4624 mL</td> </tr> <tr> <td>10 mM</td> <td>0.1731 mL</td> <td>0.8656 mL</td> <td>1.7312 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	1.7312 mL	8.6559 mL	17.3118 mL	5 mM	0.3462 mL	1.7312 mL	3.4624 mL	10 mM	0.1731 mL	0.8656 mL	1.7312 mL
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Please refer to the solubility information to select the appropriate solvent.																						
In Vivo	<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: ≥ 3 mg/mL (5.19 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: 3 mg/mL (5.19 mM); Suspended solution; Need ultrasonic</li> </ol>																					

### BIOLOGICAL ACTIVITY

Description	HG6-64-1 is a potent and selective B-Raf inhibitor extracted from patent WO 2011090738 A2, example 9 (XI-1); has a IC <sub>50</sub> of 0.09 μM on B-raf V600E transformed Ba/F3 cells.
IC <sub>50</sub> & Target	B-Raf <sup>V600E</sup> 0.09 μM (IC <sub>50</sub> , in Ba/F3 cells)

### REFERENCES

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

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