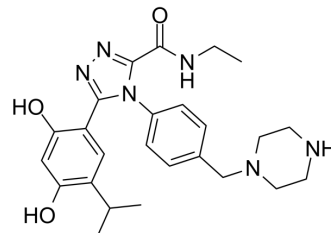


## TVD-0003510

<b>Cat. No.:</b>	HY-132994
<b>CAS No.:</b>	2355276-51-4
<b>Molecular Formula:</b>	C <sub>25</sub> H <sub>32</sub> N <sub>6</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	464.56
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (215.26 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		2.1526 mL	10.7629 mL	21.5257 mL
		<b>5 mM</b>		0.4305 mL	2.1526 mL	4.3051 mL
<b>10 mM</b>		0.2153 mL	1.0763 mL	2.1526 mL		
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.38 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.38 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.38 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	TVD-0003510 is a carboxamide derivative, and involves in synthesis of (2-((6-(2-aminopyrimidine-5-carboxamido)-8-methoxy-3,4-dihydro-2H-pyrimido[1,2-c]quinazolin-9-yl)oxy)ethyl)piperazine-1-carboxylate (C51), as a part of tert-butyl(2-(4-hydroxyphenyl)acetate <sup>[1]</sup> .
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### REFERENCES

[1]. Mark T B, et al. Hsp90-binding conjugates and formulations thereof: World Intellectual Property Organization, WO2022047008[P]. 2022-03-03.

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

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