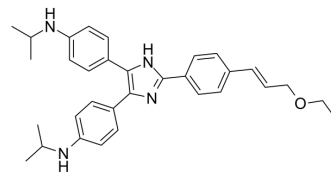


## ONT-093

<b>Cat. No.:</b>	HY-15134		
<b>CAS No.:</b>	216227-54-2		
<b>Molecular Formula:</b>	C <sub>32</sub> H <sub>38</sub> N <sub>4</sub> O		
<b>Molecular Weight:</b>	494.67		
<b>Target:</b>	P-glycoprotein		
<b>Pathway:</b>	Membrane Transporter/Ion Channel		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

Methanol : 125 mg/mL (252.69 mM; Need ultrasonic)  
 DMSO : 100 mg/mL (202.15 mM; Need ultrasonic)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0215 mL	10.1077 mL	20.2155 mL
	5 mM	0.4043 mL	2.0215 mL	4.0431 mL
	10 mM	0.2022 mL	1.0108 mL	2.0215 mL

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

### BIOLOGICAL ACTIVITY

#### Description

ONT-093 is a potent inhibitor of P-glycoprotein pump. ONT-093 has the potential for the research cancer diseases<sup>[1]</sup>.

### REFERENCES

[1]. Mistry P, et al. ONT-093 (Ontogen). *Curr Opin Investig Drugs*. 2002;3(11):1666-1671.

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

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