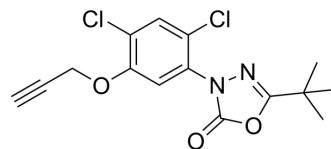


## Oxadiargyl

<b>Cat. No.:</b>	HY-122319
<b>CAS No.:</b>	39807-15-3
<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>14</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	341.19
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 50 mg/mL (146.55 mM; ultrasonic and warming and heat to 60°C)					
	<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>		2.9309 mL	14.6546 mL	29.3092 mL
		<b>5 mM</b>		0.5862 mL	2.9309 mL	5.8618 mL
<b>10 mM</b>		0.2931 mL	1.4655 mL	2.9309 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 (7.33 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Oxadiargyl (RP-020630) is an herbicide that inhibits protoporphyrinogen oxidase and has both pre- and early post-emergent weed activity. Oxadiargyl (RP-020630) has a short residual activity period, broad weed spectrum, and can be used in various soil types <sup>[1][2]</sup> .
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### REFERENCES

- [1]. Walker S B. Common names of pesticides recently approved by the BSI[J]. Pest Management Science: formerly Pesticide Science, 2003, 59(3): 371-373.
- [2]. Frost P R, Macleod I L, Hanlon E M. Evaluation of oxadiargyl herbicide in various Australian horticultural crops[C]//international congress on crop science and technology. British Crop Protection Council, Glasgow, Scotland. 2003.

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

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