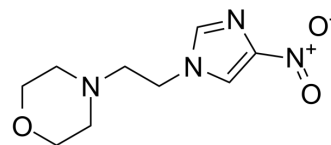


RGW-611

Cat. No.:	HY-107840
CAS No.:	6497-78-5
Molecular Formula:	C ₉ H ₁₄ N ₄ O ₃
Molecular Weight:	226.23
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (552.54 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	4.4203 mL	22.1014 mL	44.2028 mL
		5 mM	0.8841 mL	4.4203 mL	8.8406 mL
	10 mM	0.4420 mL	2.2101 mL	4.4203 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (9.19 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (9.19 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (9.19 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	RGW 611 is a morpholine derivative that enhances radiation-induced cell death of hypoxic V79-379A cells ^[1] .
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REFERENCES

[1]. Adams GE, et al. Structure-activity relationships in the development of hypoxic cell radiosensitizers. III. Effects of basic substituents in nitroimidazole sidechains. Int J Radiat Biol Relat Stud Phys Chem Med. 1980 Dec;38(6):613-26.

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

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