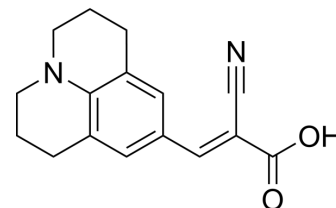


9-(2-Carboxy-2-cyanovinyl)julolidine

Cat. No.:	HY-D0054		
CAS No.:	142978-18-5		
Molecular Formula:	C ₁₆ H ₁₆ N ₂ O ₂		
Molecular Weight:	268.31		
Target:	Fluorescent Dye		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (93.18 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.7270 mL	18.6352 mL	37.2703 mL
	5 mM	0.7454 mL	3.7270 mL	7.4541 mL
	10 mM	0.3727 mL	1.8635 mL	3.7270 mL

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

BIOLOGICAL ACTIVITY

Description

9-(2-Carboxy-2-cyanovinyl)julolidine is a fluorescent molecular rotor. 9-(2-Carboxy-2-cyanovinyl)julolidine can be used to bind to IgG and Fab, and preparing antibodies^[1].

REFERENCES

[1]. Iwaki T, et al. Antibodies for fluorescent molecular rotors. *Biochemistry*. 1993 Jul 27;32(29):7589-92.

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

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