DCVJ

Cat. No.: HY-D1425

CAS No.: 58293-56-4

Molecular Formula: $C_{16}H_{15}N_3$

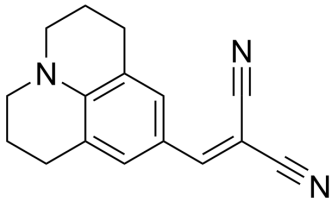
Molecular Weight: 249.31

Target: Fluorescent Dye

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 : 62.5 mg/mL (250.69 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	4.0111 mL	20.0554 mL	40.1107 mL
	5 mM	0.8022 mL	4.0111 mL	8.0221 mL
	10 mM	0.4011 mL	2.0055 mL	4.0111 mL

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

BIOLOGICAL ACTIVITY

Description

DCVJ (9-(2,2-Dicyanovinyl)julolidine), a molecular rotor and unique fluorescent dye, binds to tubulin and actin, and increases its fluorescence intensity drastically upon polymerization. DCVJ also binds to phospholipid bilayers and increases its fluorescence intensity. DCVJ can detect the kinetic process of degranulation of mast cells[1].

REFERENCES

[1]. Furuno T, et al. A fluorescent molecular rotor probes the kinetic process of degranulation of mast cells. Immunol Lett. 1992;33(3):285-288.

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

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