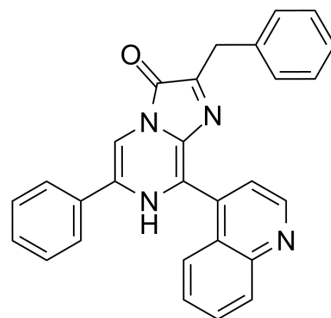


QTZ

Cat. No.:	HY-47176		
CAS No.:	2883232-39-9		
Molecular Formula:	C ₂₈ H ₂₀ N ₄ O		
Molecular Weight:	428.48		
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 (58.35 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3338 mL	11.6692 mL	23.3383 mL
	5 mM	0.4668 mL	2.3338 mL	4.6677 mL
	10 mM	0.2334 mL	1.1669 mL	2.3338 mL

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

BIOLOGICAL ACTIVITY

Description

QTZ is a bioluminescence agent for in vivo imaging. QTZ has red-shifted emission and yields very little background. QTZ is a coelenterazine analog with the 4-quinolinyl substitution at the C8 position of the imidazopyrazinone core^[1].

REFERENCES

[1]. Ying Xiong, et al. An Engineered Amber-Emitting Nano Luciferase and Its Use for Immunobioluminescence Imaging in Vivo. BioRxiv.

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

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