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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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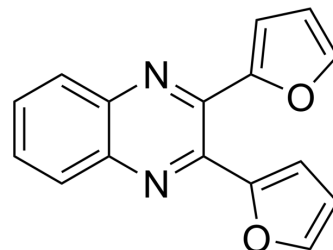
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2,3-Di(furan-2-yl)quinoxaline

Cat. No.:	HY-153349
CAS No.:	57490-73-0
Molecular Formula:	C ₁₆ H ₁₀ N ₂ O ₂
Molecular Weight:	262.26
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 : 100 mg/mL (381.30 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		3.8130 mL	19.0650 mL	38.1301 mL
		5 mM		0.7626 mL	3.8130 mL	7.6260 mL
		10 mM		0.3813 mL	1.9065 mL	3.8130 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: ≥ 2.5 mg/mL (9.53 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	2,3-Di(furan-2-yl)quinoxaline (Compound 5) is a quinoxaline exhibiting blue fluorescence. 2,3-Di(furan-2-yl)quinoxaline is cell permeable and sufficiently bright at a micromolar concentration (1.5 μM) ^[1] .
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REFERENCES

[1]. Amaya-García F, et al. Green Hydrothermal Synthesis of Fluorescent 2,3-Diarylquinoxalines and Large-Scale Computational Comparison to Existing Alternatives. ChemSusChem. 2021 Apr 22;14(8):1853-1863.

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

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