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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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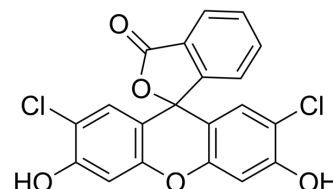
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2',7'-Dichlorofluorescein

Cat. No.:	HY-W040143
CAS No.:	76-54-0
Molecular Formula:	C ₂₀ H ₁₀ Cl ₂ O ₅
Molecular Weight:	401.2
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
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 (311.57 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4925 mL	12.4626 mL	24.9252 mL
	5 mM	0.4985 mL	2.4925 mL	4.9850 mL
	10 mM	0.2493 mL	1.2463 mL	2.4925 mL

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

BIOLOGICAL ACTIVITY

Description

2',7'-Dichlorofluorescein acts as a fluorescent probe (Ex=496 nm and Em=525 nm) for reactive oxygen species (ROS) measurement^[1].

REFERENCES

[1]. Reiniers MJ, et al. Preparation and Practical Applications of 2',7'-Dichlorodihydrofluorescein in Redox Assays. *Anal Chem.* 2017 Apr 4;89(7):3853-3857.

[2]. Xiuping Chen, et al. 2',7'-Dichlorodihydrofluorescein as a fluorescent probe for reactive oxygen species measurement: Forty years of application and controversy. *Free Radic Res.* 2010 Jun;44(6):587-604.

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

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