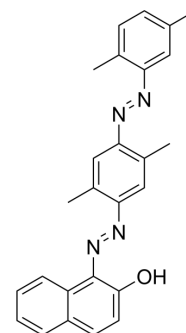


Oil Red O

Cat. No.:	HY-D1168
CAS No.:	1320-06-5
Molecular Formula:	C ₂₆ H ₂₄ N ₄ O
Molecular Weight:	408.49
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 4.17 mg/mL (10.21 mM; ultrasonic and warming and heat to 80°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.4480 mL	12.2402 mL	24.4804 mL
5 mM	0.4896 mL	2.4480 mL	4.8961 mL
10 mM	0.2448 mL	1.2240 mL	2.4480 mL

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

BIOLOGICAL ACTIVITY

Description

Oil Red O is a fat-soluble diazol dye, with a maximum absorption at 518 nm. Oil Red O stains neutral lipids and cholesteryl esters but not biological membranes. Oil Red O can be used for detecting and quantifying hepatic steatosis in mouse liver biopsies. Oil Red O staining efficiently helps to visualize the radical changes that occur in tissues as metabolic disease occurs and progresses^[1].

CUSTOMER VALIDATION

- J Orthop Surg Res. 2023 Jul 29;18(1):546.

See more customer validations on www.MedChemExpress.com

REFERENCES

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

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