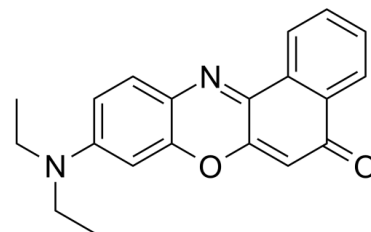


Data Sheet

Product Name:	Nile Red
Cat. No.:	CS-3527
CAS No.:	7385-67-3
Molecular Formula:	C ₂₀ H ₁₈ N ₂ O ₂
Molecular Weight:	318.37
Target:	Others
Pathway:	Others
Solubility:	DMSO : ≥ 50 mg/mL (157.05 mM); H ₂ O : < 0.1 mg/mL (insoluble)



BIOLOGICAL ACTIVITY:

Nile Red is a strongly fluorescent stain in the presence of a hydrophobic environment for the detection of intracellular lipid droplets.

References:

[1]. Greenspan P, et al. Nile red: a selective fluorescent stain for intracellular lipid droplets. J Cell Biol. 1985 Mar;100(3):965-73.

CAIndexNames:

5H-Benzo[a]phenoxazin-5-one, 9-(diethylamino)-

SMILES:

O=C1C2=CC=CC=C2C3=NC4=CC=C(N(CC)CC)C=C4OC3=C1

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

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