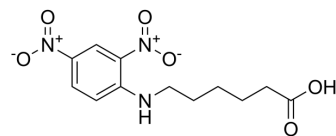


DNP-X acid

Cat. No.:	HY-D1049
CAS No.:	10466-72-5
Molecular Formula:	C ₁₂ H ₁₅ N ₃ O ₆
Molecular Weight:	297.26
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 20.83 mg/mL (70.07 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		3.3641 mL	16.8203 mL	33.6406 mL
	5 mM		0.6728 mL	3.3641 mL	6.7281 mL
	10 mM		0.3364 mL	1.6820 mL	3.3641 mL

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

BIOLOGICAL ACTIVITY

Description

DNP-X acid (6-((2,4-Dinitrophenyl)amino)hexanoic acid), an amine-reactive building block for developing a probe, can be recognized by anti-DNP antibodies. DNP-X acid is also an excellent amine-reactive FRET quencher paired with Trp or Tyr.

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

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