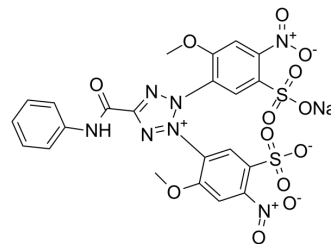


XTT sodium

Cat. No.:	HY-122131
CAS No.:	111072-31-2
Molecular Formula:	C ₂₂ H ₁₆ N ₇ NaO ₁₃ S ₂
Molecular Weight:	673.52
Target:	Others
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (74.24 mM); ultrasonic and warming and heat to 80°C				
Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		1.4847 mL	7.4237 mL	14.8474 mL
	5 mM		0.2969 mL	1.4847 mL	2.9695 mL
	10 mM		0.1485 mL	0.7424 mL	1.4847 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 (3.71 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	XTT (sodium) is used to assess cell viability as a function of redox potential. Actively respiring cells convert the water-soluble XTT to a water-soluble, orange colored formazan product.
--------------------	---

REFERENCES

[1]. Zhao Q, Ernst JT, Hamilton AD, Debnath AK, Jiang S. XTT formazan widely used to detect cell viability inhibits HIV type 1 infection in vitro by targeting gp41. AIDS Res Hum Retroviruses. 2002;18(14):989-997.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA