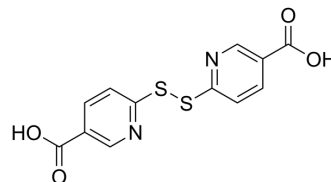


6,6'-Dithiodinicotinic acid

Cat. No.:	HY-W273281
CAS No.:	15658-35-2
Molecular Formula:	C ₁₂ H ₈ N ₂ O ₄ S ₂
Molecular Weight:	308.33
Target:	Others
Pathway:	Others
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (405.41 mM); ultrasonic and warming and heat to 60°C						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.2433 mL	16.2164 mL	32.4328 mL
				5 mM	0.6487 mL	3.2433 mL	6.4866 mL
				10 mM	0.3243 mL	1.6216 mL	3.2433 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: 2.08 mg/mL (6.75 mM); Suspended solution; Need ultrasonic						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.08 mg/mL (6.75 mM); Suspended solution; Need ultrasonic						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (6.75 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	6,6'-Dithiodinicotinic acid is a sulfur-containing organic compound belonging to nicotinic acid derivatives, which can be used as a specific sulfhydryl blocker ^[1] .
-------------	--

REFERENCES

[1]. Samir Abou-Khalil, et al. Effects of 6,6'-dithiodinicotinic acid, a thiol reagent on several mitochondrial functions: Coupling mechanism, ATPase and anion transport. *Biochemical Pharmacology*. Volume 24, Issue 1, 1 January 1975, Pages 49-56.

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