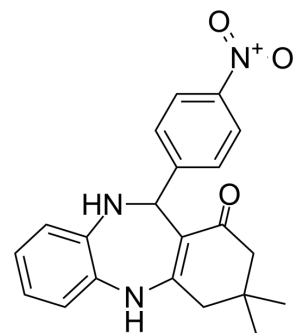


Antioxidant agent-7

Cat. No.: HY-W274194
CAS No.: 82408-04-6
Molecular Formula: C₂₁H₂₁N₃O₃
Molecular Weight: 363.41
Target: Others
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 : 125 mg/mL (343.96 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.7517 mL	13.7586 mL	27.5171 mL
	5 mM		0.5503 mL	2.7517 mL	5.5034 mL
	10 mM		0.2752 mL	1.3759 mL	2.7517 mL

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

BIOLOGICAL ACTIVITY

Description

Antioxidant agent-7 (SD-7) is a benzodiazepine derivative with antioxidant activity with an IC₅₀ value of 470 nM to scavenge DPPH (2,2-diphenyl-1-picrylhydrazyl) free radical^[1].

REFERENCES

[1]. Bhagat K, et al. Microwave-assisted synthesis of 11-substituted-3,3-dimethyl-2,3,4,5,10,11-hexahydrodibenzo[b,e][1,4]diazepin-1-one derivatives catalysed by silica supported fluoroboric acid as potent antioxidant and anxiolytic agents. Med Chem Res 28, 2200–2217 (2019).

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