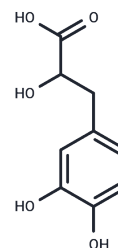


(Rac)-Salvianic acid A

Chemical Properties

CAS No. :	23028-17-3
Formula:	C ₉ H ₁₀ O ₅
Molecular Weight:	198.174
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	(Rac)-Salvianic acid A, also known as (Rac)-Danshensu, is a phenolic acid compound that possesses exceptional radical scavenging and antioxidant properties.
In vitro	(Rac)-Salvianic acid A ((Rac)-Danshensu) exhibits higher scavenging activities against free hydroxyl radicals (HO), superoxide anion radicals (O ₂), 1,1-diphenyl-2-picrylhydrazyl (DPPH) radicals and 2-azino-bis(3-ethylbenzthiazoline-6-sulfonic acid) (ABTS) radicals than vitamin C[1].
In vivo	The compound '(Rac)-Salvianic acid A ((Rac)-Danshensu; administered intravenously at a dosage of 30 mg/kg) exhibits a half-life (T _{1/2}) of 16.6 minutes in rabbits[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0462 mL	25.2309 mL	50.4617 mL
5 mM	1.0092 mL	5.0462 mL	10.0923 mL
10 mM	0.5046 mL	2.5231 mL	5.0462 mL
50 mM	0.1009 mL	0.5046 mL	1.0092 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Guang-Rong Zhao, et al. Characterization of the radical scavenging and antioxidant activities of danshensu and salvianolic acid B. Food Chem Toxicol. 2008 Jan;46(1):73-81.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481