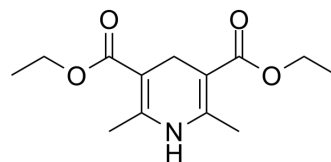


Diludine

Cat. No.:	HY-W017960
CAS No.:	1149-23-1
Molecular Formula:	C ₁₃ H ₁₉ NO ₄
Molecular Weight:	253.29
Target:	Others
Pathway:	Others
Storage:	RT, protect from light
	In solvent -80°C 2 years
	-20°C 1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (197.40 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.9480 mL	19.7402 mL	39.4804 mL
	5 mM	0.7896 mL	3.9480 mL	7.8961 mL
	10 mM	0.3948 mL	1.9740 mL	3.9480 mL

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

BIOLOGICAL ACTIVITY

Description

Diludine (Et-HE) has antioxidant properties, targeting oxidative stress-related pathways. By improving antioxidative status and reducing β -hydroxybutyrate levels, Diludine alleviates oxidative stress during the parturition period in dairy cows. It is primarily used during the transition period in dairy cows to increase milk yield and milk fat content, as well as to improve health during parturition^[1].

REFERENCES

[1]. Pandupuspitasari N S, et al. Effects of diludine on the production, oxidative status, and biochemical parameters in transition cows[J]. J Environ Agric Sci, 2015, 6: 3-9.

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

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