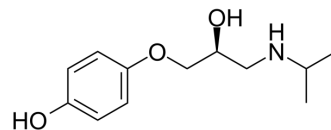


Prenalterol

Cat. No.:	HY-112071		
CAS No.:	57526-81-5		
Molecular Formula:	C ₁₂ H ₁₉ NO ₃		
Molecular Weight:	225.28		
Target:	Adrenergic Receptor		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (443.89 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	4.4389 mL	22.1946 mL	44.3892 mL
5 mM	0.8878 mL	4.4389 mL	8.8778 mL
10 mM	0.4439 mL	2.2195 mL	4.4389 mL

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

BIOLOGICAL ACTIVITY

Description

Prenalterol is a selective β ₁-adrenergic receptor agonist. Prenalterol has no effect on gut smooth muscle contractile activity. Prenalterol can be used for researching cardiovascular disease^[1].

IC₅₀ & Target

β ₁ adrenoceptor

REFERENCES

[1]. Seiler R, et al. alpha- and beta-adrenergic receptor mechanisms in spontaneous contractile activity of rat ileal longitudinal smooth muscle. J Gastrointest Surg. 2005;9(2):227-235.

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

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