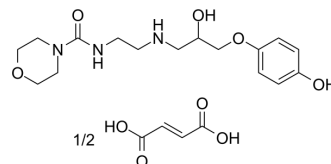


## Xamoterol hemifumarate

**Cat. No.:** HY-101327A  
**CAS No.:** 73210-73-8  
**Molecular Formula:** C<sub>20</sub>H<sub>29</sub>N<sub>3</sub>O<sub>9</sub>  
**Molecular Weight:** 397.43  
**Target:** Adrenergic Receptor  
**Pathway:** GPCR/G Protein; Neuronal Signaling  
**Storage:** -20°C, sealed storage, away from moisture  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (251.62 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5162 mL	12.5808 mL	25.1617 mL
	5 mM	0.5032 mL	2.5162 mL	5.0323 mL
	10 mM	0.2516 mL	1.2581 mL	2.5162 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Xamoterol hemifumarate is a selective and potent agonist of beta1-adrenergic receptor. Xamoterol hemifumarate has the potential for the research of arrhythmogenesis. Xamoterol hemifumarate has the potential for the investigating the relationship between  $\beta$ 1-adrenergic stimulation and IKr<sup>[1]</sup>.

### REFERENCES

[1]. Wang S, et al.  $\beta$ 1-adrenergic regulation of rapid component of delayed rectifier K<sup>+</sup> currents in guinea-pig cardiac myocytes. Mol Med Rep. 2014;9(5):1923-1928.

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

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