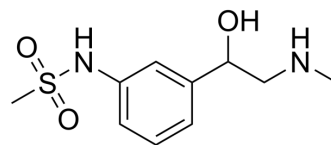


Amidephrine

| | |
|--------------------|---|
| Cat. No.: | HY-136474 |
| CAS No.: | 37571-84-9 |
| Molecular Formula: | C ₁₀ H ₁₆ N ₂ O ₃ S |
| Molecular Weight: | 244.31 |
| Target: | Adrenergic Receptor |
| Pathway: | GPCR/G Protein; Neuronal Signaling |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|---------------------------|--|
| Description | Amidephrine is a selective agonist of alpha 1-adrenoceptor. Amidephrine inhibits monopulse field contraction of the vas deferens epithelium and prostate gland ^[1] . |
| IC ₅₀ & Target | α1-adrenergic receptor |
| In Vitro | Amidephrine (10-100 nM) inhibits monopulse field contraction dose-dependently in the epithelium and prostate of deferens in young adult and old rats with EC ₅₀ values of 6.79-6.48μM and 6.17-6.18μM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

[1]. Docherty JR, et al. An examination of age-related changes in pre- and postsynaptic alpha-adrenoceptors in the rat isolated vas deferens. Eur J Pharmacol. 1983 Nov 25;95(3-4):171-6.

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