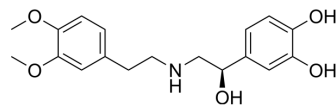


## T-0509

Cat. No.:	HY-108991
CAS No.:	96843-99-1
Molecular Formula:	C <sub>18</sub> H <sub>23</sub> NO <sub>5</sub>
Molecular Weight:	333.38
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

T-0509 ((-)-T-0509) is a selective full agonist of the  $\beta_1$  receptor. T-0509 activates the cAMP signaling pathway through the  $\beta_1$  receptor and enhances myocardial contractility<sup>[1]</sup>.

### REFERENCES

[1]. Kurosawa H, et al. Selective beta 1-receptor full agonists, T-0509 and T-1583, increase the force monophasically and cyclic AMP biphasically in canine ventricular muscle. J Cardiovasc Pharmacol. 1990;16(4):646-653.

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

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