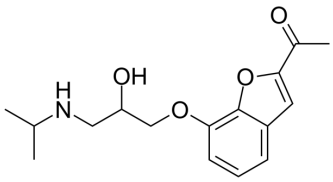
(±)-Befunolol

Cat. No.:	HY-101752
CAS No.:	39552-01-7
Molecular Formula:	$C_{16}H_{21}NO_4$
Molecular Weight:	291.34
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	(±)-Befunolol is a β-adrenoceptor blocking agent.
IC_{50} & Target	Adrenoreceptor[1]
In Vitro	A β-adrenoceptor blocking agent, Befunolol, is found to has intrinsic sympathomimetic activities in isolated right atria, trachea and taenia caecum of guinea pig (intrinsic activities are 0.22-0.28). The pD2-values of Befunolol estimated in the isolated organs are significantly different from its pA2-values against isoprenaline. Befunolol interacts with the beta-adrenoceptor where there may be two different sites: one site for agonistic action and the other for competitive antagonistic action. The intrinsic activity of Befunolol may be equal to its selectivity for both the sites[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- J Pharmaceut Biomed. 2020, 113870.

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REFERENCES

[1]. Takayanagi I, et al. A beta-adrenoceptor blocking agent, befunolol as a partial agonist in isolated organs. Gen Pharmacol. 1985;16(3):265-7.

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