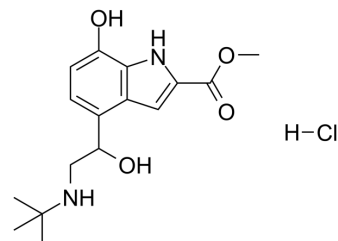


## ZK-90055 hydrochloride

Cat. No.:	HY-U00293
CAS No.:	84638-81-3
Molecular Formula:	C <sub>16</sub> H <sub>23</sub> ClN <sub>2</sub> O <sub>4</sub>
Molecular Weight:	342.82
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	ZK-90055 hydrochloride is a $\beta_2$ adrenergic receptor agonist.
IC <sub>50</sub> & Target	$\beta_2$ adrenergic receptor <sup>[1]</sup>
In Vivo	<p>Contrasting a pro-drug, a soft-drug is active per se when given locally but is rapidly inactivated when it reaches the general circulation. Thus, a long duration of action at a minimum of systemic side effects may be achieved after inhalation of a h2-agonist designed in this way. One such example is ZK-90055, an indol derivative with a hydrolysable ester bond on the ring system. The development of ZK-90055 is stopped before clinical trials are commenced<sup>[2]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### REFERENCES

- [1]. Waldeck B, et al. beta-Adrenoceptor agonists after terbutaline. Pharmacol Toxicol. 1995;77 Suppl 3:25-9.
- [2]. Waldeck B, et al. Beta-adrenoceptor agonists and asthma--100 years of development. Eur J Pharmacol. 2002 Jun 7;445(1-2):1-12.

**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