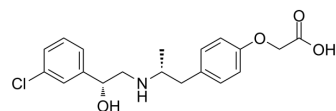


## SB-206606

Cat. No.:	HY-117239
CAS No.:	116049-78-6
Molecular Formula:	C <sub>19</sub> H <sub>22</sub> ClNO <sub>4</sub>
Molecular Weight:	363.84
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

<b>Description</b>	SB-206606, a stereoisomer of BRL 37344, is a potentially specific, beta 3-adrenergic receptor ( $\beta_3$ -AR) ligand. The affinity of [ <sup>3</sup> H]SB 206606 is 76 times higher for the $\beta_3$ -AR than for the beta 1/beta 2-adrenergic receptors <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Beta-3 adrenergic receptor
<b>In Vitro</b>	[ <sup>3</sup> H]SB-206606 binding to membranes from Chinese hamster ovary K1 cells transfected with the rat $\beta_3$ -AR with a K <sub>d</sub> value of 58 nM <sup>[1]</sup> . [ <sup>3</sup> H]SB-206606 binding to brown adipose tissue where beta 1-, beta 2-, and beta 3-adrenergic receptor subtypes are known to coexist with a K <sub>d</sub> value of 38 nM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Muzzin P, et al. Characterization of a new, highly specific, beta 3-adrenergic receptor radioligand, [<sup>3</sup>H]SB 206606. Mol Pharmacol. 1994 Aug;46(2):357-63. PMID: 8078497.

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

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