



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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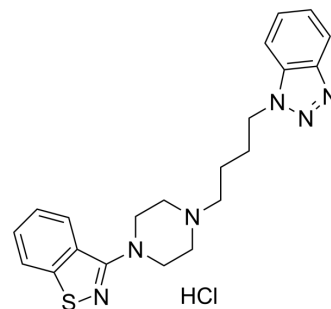
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## MT-1207

<b>Cat. No.:</b>	HY-162677
<b>CAS No.:</b>	1610794-70-1
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>25</sub> ClN <sub>6</sub> S
<b>Molecular Weight:</b>	428.98
<b>Target:</b>	Adrenergic Receptor; 5-HT Receptor
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	MT-1207 is an orally active and selective adrenergic $\alpha_1$ and 5-HT <sub>2A</sub> receptor antagonist. MT-1207 shows IC <sub>50</sub> <0.1 nM, 0.15 nM, 1.40 nM and 0.27 nM for $\alpha_{1A}$ , $\alpha_{1B}$ , $\alpha_{1D}$ and 5-HT <sub>2A</sub> , respectively. MT-1207 achieves an effective blood pressure (BP) reduction in the 2K2C rat model without damaging renal function. MT-1207 is a potent multitarget inhibitor with the potential for vasodilatation research <sup>[1]</sup> .			
<b>IC<sub>50</sub> &amp; Target</b>	$\alpha_{1A}$ -adrenergic receptor 0.1 nM (IC <sub>50</sub> )	$\alpha_{1B}$ -adrenergic receptor 0.15 nM (IC <sub>50</sub> )	$\alpha_{1B}$ -adrenergic receptor 1.40 nM (Ki)	$\alpha_{1D}$ -adrenergic receptor 0.086 nM (IC <sub>50</sub> )
	$\alpha_{1D}$ -adrenergic receptor 0.69 nM (Ki)	5-HT <sub>2A</sub> Receptor 0.27 nM (IC <sub>50</sub> )	5-HT <sub>2A</sub> Receptor 0.079 nM (Ki)	

### REFERENCES

[1]. Peng Wang, et al. Discovery of MT-1207: A Novel, Potent Multitarget Inhibitor as a Promising Clinical Candidate for the Treatment of Hypertension. J Med Chem. 2024 Jul 5.

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

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