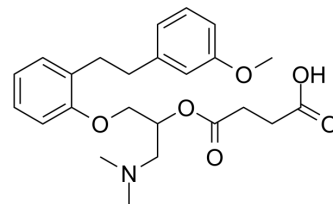


## Sarpogrelate

Cat. No.:	HY-10563
CAS No.:	125926-17-2
Molecular Formula:	C <sub>24</sub> H <sub>31</sub> NO <sub>6</sub>
Molecular Weight:	429.51
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Sarpogrelate (MCI-9042) is a new, specific orally active 5-HT <sub>2</sub> receptor antagonist, Sarpogrelate increases platelet aggregation and has hemostasis effect, and can be used for the research of Buerger's disease <sup>[1]</sup> .
IC <sub>50</sub> & Target	5-HT <sub>2</sub> Receptor
In Vitro	<p>Sarpogrelate (MCI-9042) induces a significant decrease in plasma serotonin (5-HT) concentration and after 2 weeks increases significantly the concentration of whole blood 5-HT<sup>[1]</sup>.</p> <p>Sarpogrelate increases significantly plasma tryptophan concentration after 2 and 4 weeks, and no changes in plasma 5-HIAA concentration<sup>[1]</sup>.</p> <p>Sarpogrelate also has a tendency to increase the concentration of whole blood tryptophan concentration, did not show significant changes in platelet aggregation induced by ADP and collagen<sup>[1]</sup>.</p> <p>Sarpogrelate increases significantly platelet aggregation induced by serotonin after 2 weeks<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### CUSTOMER VALIDATION

- Exp Neurol. 2019 Nov;321:113030.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

[1]. A Rydzewski, et al. The effect of a 5HT<sub>2</sub> receptor antagonist sarpogrelate (MCI-9042) treatment on platelet function in Buerger's disease. Thromb Res. 1996 Dec 15;84(6):445-52.

---

**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](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA