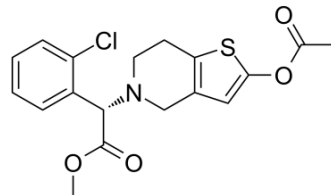


## Vicagrel

Cat. No.:	HY-118284
CAS No.:	1314081-53-2
Molecular Formula:	C <sub>18</sub> H <sub>18</sub> ClNO <sub>4</sub> S
Molecular Weight:	379.86
Target:	P2Y Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

#### Description

Vicagrel, an acetate derivative of Clopidogrel, is a **P2Y<sub>12</sub>** platelet inhibitor potentially for the treatment of thrombosis, the substrate of carboxylesterase 2 (CES2)<sup>[1]</sup>. Vicagrel demonstrates a favorable safety profile and excellent anti-platelet activity, which could be an anti-platelet drug and for the unmet medical needs of cardiovascular diseases<sup>[2]</sup>.

### REFERENCES

[1]. Liu C, et al. Pharmacokinetics and pharmacokinetic/pharmacodynamic relationship of vicagrel, a novel thienopyridine P2Y<sub>12</sub> inhibitor, compared with clopidogrel in healthy Chinese subjects following single oral dosing. *Eur J Pharm Sci.* 2019 Jan 15;127:151-160.

[2]. Li X, et al. Evaluation of Tolerability, Pharmacokinetics and Pharmacodynamics of Vicagrel, a Novel P2Y<sub>12</sub> Antagonist, in Healthy Chinese Volunteers. *Front Pharmacol.* 2018 Jun 20;9:643.

**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