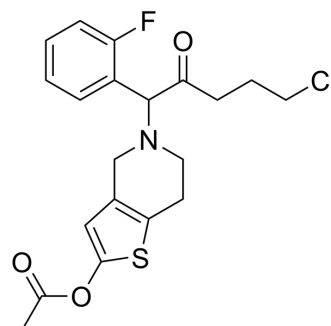


Prasugrel chloride impurity

| | |
|--------------------|---|
| Cat. No.: | HY-136142 |
| CAS No.: | 1056459-37-0 |
| Molecular Formula: | C ₂₀ H ₂₁ ClFNO ₃ S |
| Molecular Weight: | 409.9 |
| Target: | Drug Metabolite |
| Pathway: | Metabolic Enzyme/Protease |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

Prasugrel chloride impurity is a catp impurity of Prasugrel, exacted from patent US20130345428A1, line 0053. Prasugrel is an orally active and potent P2Y₁₂ receptor antagonist, and inhibits ADP-induced platelet aggregation^{[1][2]}.

REFERENCES

[1]. Hiroyuki Miyata, et al. Method for production of prasugrel hydrochloride having high purity. US20130345428A1.

[2]. Sugidachi A, et al. The greater in vivo antiplatelet effects of prasugrel as compared to clopidogrel reflect more efficient generation of its active metabolite with similar antiplatelet activity to that of clopidogrel's active metabolite. J Thromb Haemost. 2007 Jul;5(7):1545-51.

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

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