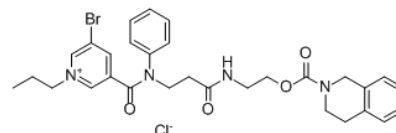


Product Name : TCV-309 chloride
Cat. No. : PC-45596
CAS No. : 121494-09-5
Molecular Formula : C₃₀H₃₄BrClN₄O₄
Molecular Weight : 629.9724
Target : Platelet-activating Factor Receptor
Solubility : DMSO: ≥ 6.3 mg/mL



Biological Activity

TCV-309 chloride is a highly potent and selective **platelet activating factor** (PAF) antagonist, inhibits PAF-induced aggregation of rabbit and human platelets with IC₅₀s of 33 nM and 55 nM respectively. TCV-309 potently protects mice from death induced by PAF and due to anaphylactic shock with ED₅₀ of 2.1 and 2.6 ug/kg (i.v.), respectively. TCV-309 also reverses PAF-induced hypotension and endotoxin-induced hypotension in rats.

References

- Terashita Z, et al. *J Pharmacol Exp Ther.* 1992 Feb;260(2):748-55.
 Motoyama N, et al. *Eur J Pain.* 2013 Sep;17(8):1156-67.
 Kuipers B, et al. *J Immunol.* 1994 Mar 1;152(5):2438-46.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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