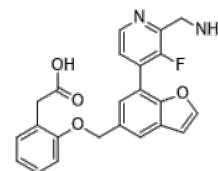


**Product Name** : BCX9930  
**Cat. No.** : PC-24548  
**CAS No.** : 2378380-49-3  
**Molecular Formula** : C<sub>23</sub>H<sub>19</sub>FN<sub>2</sub>O<sub>4</sub>  
**Molecular Weight** : 406.41  
**Target** : Complement System  
**Solubility** : 10 mM in DMSO



CAS: 2378380-49-3

## Biological Activity

BCX9930 (Pelecopan) is a potent, selective oral inhibitor of complement Factor D with IC<sub>50</sub> of 14.3 nM (purified human factor D), inhibits the activation of the complement alternative pathway (AP).

BCX9930 does not inhibit enzyme activity of the human serine proteases thrombin, activated protein C, tissue plasminogen activator and trypsin up to 28 μM, and activated factor X and activated factor XII up to 50 μM.

BCX9930 also inhibits its proteolytic activity against factor B bound to C3b with a mean IC<sub>50</sub> of 28.1 nM.

BCX9930 inhibits AP-mediated hemolysis of rabbit erythrocytes with a mean IC<sub>50</sub> of 29.5 nM.

BCX9930 completely suppresses AP-mediated hemolysis with a mean IC<sub>50</sub> of 35.4 nM in erythrocytes from paroxysmal nocturnal hemoglobinuria (PNH) patients.

BCX9930 suppresses AP activity of serum measured by AP-dependent generation of C5b-9 in monkeys.

## References

Xilin Chen MDPhD, et al. Blood, Volume 136, Supplement 1, 5 November 2020, Page 32

Davidson M, et al. J Clin Pharmacol. 2025 Apr 28. doi: 10.1002/jcph.70032.

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

E-mail: tech@probechem.com