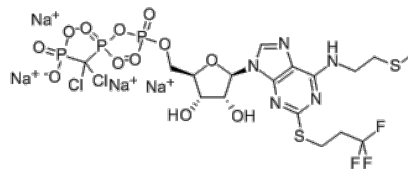


**Product Name** : Cangrelor tetrasodium  
**Cat. No.** : PC-61585  
**CAS No.** : 163706-36-3  
**Molecular Formula** : C<sub>17</sub>H<sub>21</sub>Cl<sub>2</sub>F<sub>3</sub>N<sub>5</sub>Na<sub>4</sub>O<sub>12</sub>P<sub>3</sub>S<sub>2</sub>  
**Molecular Weight** : 864.29  
**Target** : P2Y Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

Cangrelor tetrasodium (AR-C69931MX) is a potent, selective P2T/**P2Y12** receptor antagonist with IC<sub>50</sub> of 0.4 nM against ADP-induced aggregation of human platelets.

Cangrelor displays >1,000-fold selectivity over other P2 receptor family.

Cangrelor antagonizes the ex vivo and in vivo aggregatory actions of ADP, and displays a rapid onset and offset of action with the ability to prevent occlusive arterial thrombus formation.

## References

Ingall AH, et al. *J Med Chem.* 1999 Jan 28;42(2):213-20.

Huang J, et al. *J Pharmacol Exp Ther.* 2000 Nov;295(2):492-9.

Storey RF, et al. *Br J Haematol.* 2000 Sep;110(4):925-34.

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

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