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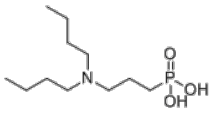
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	C10M
Cat. No.	:	PC-21057
CAS No.	:	2824243-53-8
Molecular Formula	:	$C_{11}H_{26}NO_3P$
Molecular Weight	:	251.31
Target	:	Other Targets
Solubility	:	10 mM in DMSO



CAS: 2824243-53-8

1. Ylenia Pastorello, et al. ***Int J Mol Sci.*** 2024 Mar 7;25(6):3097.

Biological Activity

C10M is a small molecule inhibitor of **C-reactive protein** (CRP), inhibits the binding of pCRP to the physiological ligand phosphocholine (PC) with IC50 of 1.5 mM in ELISA assays.
C10M inhibits CRP-induced monocyte adhesion, expression of pro-inflammatory cytokines, and formation of platelet-leukocyte aggregates was evaluated in-vitro.
C10M inhibits pCRP binding to activated platelets and microvesicles and reduces pCRP*/mCRP induced ICAM-1 and VCAM-1 expression on human endothelial cells and activation of leukocytes.
C10M inhibits CRP-induced aggravation of renal ischemia/reperfusion injury, inhibits pCRP*/mCRP-induced aggravation of allograft rejection in a hindlimb transplantation model.

References

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