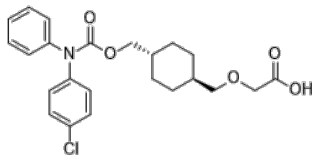
ProbeChem®
Expedite Your Scientific Research

WWW.PROBECHEM.COM

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Ralinepag
Cat. No.	:	PC-24814
CAS No.	:	1187856-49-0
Molecular Formula	:	$C_{23}H_{26}ClNO_5$
Molecular Weight	:	431.91
Target	:	Prostaglandin Receptor
Solubility	:	10 mM in DMSO



Biological Activity

Ralinepag (APD811) is a potent, selective, orally bioavailable and non-prostanoid prostacyclin receptor (IP) agonist with EC50 of 8.5 nM and 530 nM for human and rat IP receptors respectively, inhibits ADP-induced human platelet aggregation with IC50 of 38 nM.
Ralinepag (APD811) has IC50 of 3 nM in radioligand binding assays of affinity for the IP receptor in multiple species, 30- to 50-fold over human EP3, good selectivity in both binding and functional assays with respect to most members of the prostanoid receptor family.
Ralinepag (APD811) significantly reduce the MCT-induced increase in pulmonary arterial pressure in monocrotaline (MCT) model.

References

Tran TA, et al. J Med Chem. 2017 Feb 9;60(3):913-927.

Torres F, et al. Eur Respir J. 2019 Oct 10;54(4):1901030.

E-mail: tech@probechem.com