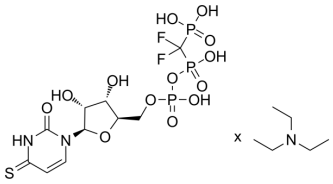
PSB-1114 triethylamine

Cat. No.:	HY-110092A
Molecular Formula:	$C_{10}H_{15}F_2N_3O_{13}P_3S.xC_6H_{15}N$
Target:	P2Y Receptor
Pathway:	GPCR/G Protein
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	H_2O : ≥ 100 mg/mL * "≥" means soluble, but saturation unknown.

BIOLOGICAL ACTIVITY

Description	PSB-1114 triethylamine is a potent, enzymatically stable, and subtype-selective $P2Y_2$ receptor agonist with an EC_{50} of 134 nM. PSB-1114 triethylamine displays >50-fold selectivity versus the $P2Y_4$ (EC_{50} of 9.3 μM) and $P2Y_6$ (EC_{50} of 7.0 μM) receptors [1].

REFERENCES

[1]. El-Tayeb A, et al. Structural modifications of UMP, UDP, and UTP leading to subtype-selective agonists for P2Y2, P2Y4, and P2Y6 receptors. J Med Chem. 2011 Apr 28;54(8):2878-90.

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