

Product Name	: AZD1283
Synonyms	: AZD-1283; AZD1283; AZD 1283
Cat No.	: M17661
CAS Number	: 919351-41-0
Molecular Formula	: C ₂₃ H ₂₆ N ₄ O ₅ S
Formula Weight	: 470.54
Chemical Name	: ethyl 6-(4-((benzylsulfonyl)carbamoyl)piperidin-1-yl)-5-cyano-2-methylnicotinate.
Description	: AZD1283 is a potent antagonist of the P2Y ₁₂ receptor. In a modified Folts model in dog, both AZD1283 dose-dependently induced increases in blood flow and inhibition of ADP-induced platelet aggregation with antithrombotic ED ₅₀ values of 3.0 µg/kg/min. The doses that induced a larger than 3-fold increase in bleeding time were 33 µg/kg/min. Thus, the therapeutic index (TI) was ≥ 10. On the basis of these data, AZD1283 was progressed into human clinical trials as candidate drug.
Pathway	: Angiogenesis
Target	: PDE
Receptor	: P2Y ₁₂
Solubility	: DMSO : 100 mg/mL. 212.52 mM; H ₂ O : < 0.1 mg/mL
SMILES	: <chem>CCOC(=O)c1c(nc(c(c1)C#N)N1CCC(CC1)C(=O)NS(=O)(=O)Cc2ccccc2)C</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Bach P, et al. J Med Chem. 2013 Sep 12;56(17):7015-24.

