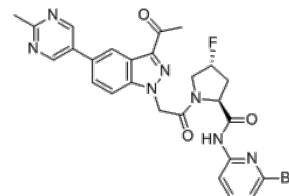


Product Name	: Danicopan
Synonyms	: ACH-4471;ACH4471;ACH-0144471
Cat No.	: M12984
CAS Number	: 1903768-17-1
Molecular Formula	: C ₂₆ H ₂₃ BrFN ₇ O ₃
Formula Weight	: 580.42
Chemical Name	: (2S,4R)-1-[[[3-acetyl-5-(2-methylpyrimidin-5-yl)-1H-indazol-1-yl]acetyl]-N-(6-bromopyridin-2-yl)-4-fluoropyrrolidine-2-carboxamide
Description	<p>Danicopan (ACH-4471, ACH-0144471) is a highly potent, orally active Factor D inhibitor with K_d of 0.54 nM, inhibits the proteolytic activity of purified Factor D against substrate Factor B in complex with C3b, blocking production of Bb fragment IC50 of 15 nM; significantly reduces complement-mediated hemolysis at concentrations as low as 10 nM in cells from paroxysmal nocturnal hemoglobinuria patients, decreases C3 fragment deposition on paroxysmal nocturnal hemoglobinuria erythrocytes; blocks alternative pathway activity when administered orally to cynomolgus monkeys. Other Indication Phase 2 Clinical</p>
Pathway	: Immunology/Inflammation
Target	: Complement System
Receptor	: Complement System
Solubility	: —
SMILES	: <chem>CC1=NC=C(C=N1)C2=CC3=C(C=C2)N(N=C3C(=O)C)CC(=O)N4CC(CC4C(=O)NC5=NC(=CC=C5)Br)F</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Yuan X, et al. Haematologica. 2017 Mar;102(3):466-475.