PRODUCT INFORMATION



Danicopan

Item No. 32737

CAS Registry No.: 1903768-17-1

Formal Name: (2S,4R)-1-[2-[3-acetyl-5-(2-methyl-

5-pyrimidinyl)-1H-indazol-1-yl] acetyl]-N-(6-bromo-2-pyridinyl)-4fluoro-2-pyrrolidinecarboxamide

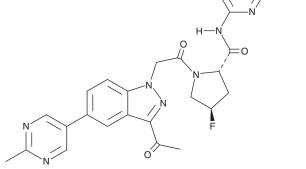
Synonym: ACH-4471 C₂₆H₂₃BrFN₇O₃ MF:

FW: 580.4 **Purity:** ≥98%

 λ_{max} : 249, 285 nm UV/Vis.:

A solid Supplied as: -20°C Storage: ≥4 years Stability:

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.



Laboratory Procedures

Danicopan is supplied as a solid. A stock solution may be made by dissolving the danicopan in the solvent of choice, which should be purged with an inert gas. Danicopan is soluble in the organic solvent DMSO.

Description

Danicopan is an inhibitor of Factor D, a protease in the alternative complement pathway (APC; IC₅₀ = 15 nM in a cell-free assay). It is selective for Factor D over a panel of 12 serine proteases when used at a concentration of 10 µM. Danicopan inhibits hemolysis of erythrocytes isolated from patients with paroxysmal nocturnal hemoglobinuria (IC_{50} s = 4-27 nM). Danicopan (200 mg/kg, p.o.) suppresses APC activity in monkeys.¹

Reference

1. Yuan, X., Gavriilaki, E., Thanassi, J.A., et al. Small-molecule factor D inhibitors selectively block the alternative pathway of complement in paroxysmal nocturnal hemoglobinuria and atypical hemolytic uremic syndrome. Haematologica 102(3), 466-475 (2017).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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