Product Data Sheet

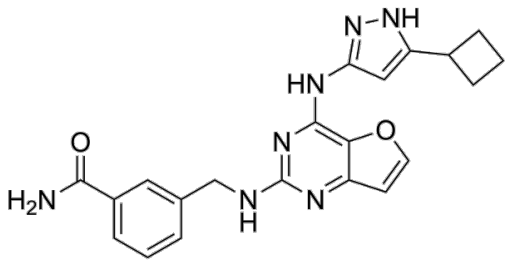
Product Name: ARN25699
Cat. No.: GC80874

Chemical Properties

Cas. No.

Formula	$C_{21}H_{21}N_7O_2$	M.Wt	403.44
Solubility		Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

ARN25699 is a kinase inhibitor with an IC_{50} of 5.5 nM against GSK-3β, 2.2 nM against FYN-α, and 242.3 nM against DYRK1A, and it exhibits oral bioavailability. ARN25699 reduces hyperphosphorylation of tau protein and promotes microtubule bundle formation. ARN25699 has a broader kinome inhibitory profile and targets kinases associated with the pathogenic mechanisms linked to Alzheimer's disease. ARN25699 can be used in the research of Alzheimer's disease and

related tauopathies [1].

In Vitro, ARN25699 (Compound 28) (0.1-10 μM) inhibits a subset of kinases associated with the pathogenesis of Alzheimer's disease[1]. ARN25699 (1-100 μM; 6 h) induces dose-dependent microtubule bundle formation in Tau0N4R-TM-tGFP U2OS cells[1].

References:
[1]. Demuro S, et al. A Polypharmacology-Driven Approach to Alzheimer's Disease and Tauopathies: Rational Design, Synthesis and Characterization of Amino-Pyrazole-Based Multikinase (GSK-3β/FYN-α/DYRK1A) Inhibitors. J Med Chem. 2026 May 14;69(9):9991-10018.