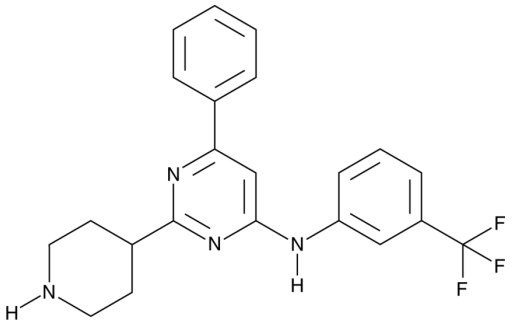
Product Data Sheet

Product Name: ARN25062
Cat. No.: GC91634

Chemical Properties

Cas. No.	3036492-85-7		
Formula	$C_{22}H_{21}F_3N_4$	M.Wt	398.4
Solubility	Acetonitrile: Slightly Soluble: 0.1-1 mg/ml,DMSO: Sparingly Soluble: 1-10 mg/ml	Storage	-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

ARN25062 is a derivative of ARN22089, an inhibitor of the protein-protein interaction between Cdc42 and p21-activated kinase (PAK).[1] It inhibits the proliferation of SKM28, SK-MEL-3, WM3248, and A375 melanoma cells (IC_{50}s = 6.1, 4.6, 9.3, and 5.1 µM, respectively) and SW480 colon cancer cells (IC_{50} = 5.9 µM). ARN25062 (10 mg/kg) reduces tumor growth in a patient-derived xenograft (PDX) mouse model.

References:
[1].Brindani, N., Vuong, L.M., Acquistapace, I.M., et al.Design, synthesis, in vitro and in vivo characterization of CDC42 GTPase interaction inhibitors for the treatment of cancerJ. Med. Chem.66(8)5981-6001(2023).

Caution: Product has not been fully validated for medical applications. For research use only.
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