

Product Data Sheet

Product Name: ARN25062

Cat. No.: GC91634

Chemical Properties

Cas. No. 3036492-85-7

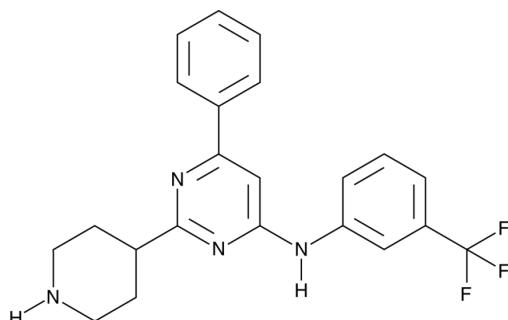
Formula $C_{22}H_{21}F_3N_4$ M.Wt 398.4

Solubility Acetonitrile: Slightly Soluble: 0.1-1 mg/ml, DMSO: Sparingly Soluble: 1-10 mg/ml Storage $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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 cancer. J. Med. Chem. 66(8)5981-6001 (2023).

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA