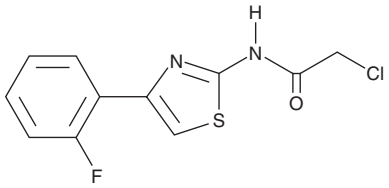
PRODUCT INFORMATION

BAY-1892005

Item No. 46741

CAS Registry No.: 2036352-13-1
Formal Name: 2-chloro-N-[4-(2-fluorophenyl)-2-thiazolyl]-acetamide
MF: $C_{11}H_8ClFN_2OS$
FW: 270.7
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



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

Laboratory Procedures

BAY-1892005 is supplied as a solid. A stock solution may be made by dissolving the BAY-1892005 in the solvent of choice, which should be purged with an inert gas. BAY-1892005 is sparingly soluble (1-10 mg/ml) in DMSO and slightly soluble (0.1-1 mg/ml) in ethanol.

Description

BAY-1892005 is a stabilizer of wild-type and mutant p53.[1] It covalently binds mutant $p53^{R175H}$ and $p53^{Y220C}$ and increases the thermal stability of wild-type p53 and mutant $p53^{Y220C}$. It decreases the number of p53 condensates in Saos-2 osteosarcoma cells expressing aggregate-inducing $p53^{R175H}$, $p53^{R282W}$, or $p53^{Y220C}$ at 13 µM; however, it increases the number of p53 condensates in Saos-2 cells expressing the DNA-binding defective $p53^{R273H}$ at 13 µM. BAY-1892005 reduces the proliferation of NCI H358 non-small cell lung cancer, Calu-1 lung squamous cell carcinoma, and HMC-1-8 breast cancer cells (IC_{50}s = 1.11, 1.32, and 2.21 µM, respectively).

Reference

1. Lemos, C., Schulze, L., Weiske, J., *et al.* Identification of small molecules that modulate mutant p53 condensation. *iScience* **23(9)**, 101517 (2020).

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

SAFETY DATA
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.

WARRANTY AND LIMITATION OF REMEDY
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CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM