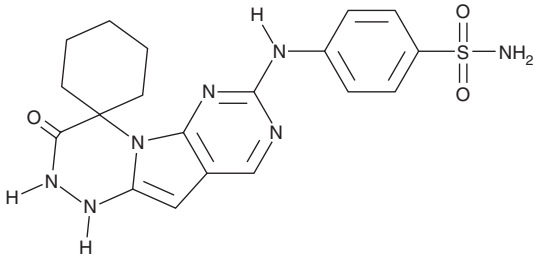
PRODUCT INFORMATION

INX-315

Item No. 46301

CAS Registry No.: 2745060-92-6
Formal Name: 4-((3'-oxo-2',3'-dihydro-1'H-spiro[cyclohexane-1,4'-pyrimido[5',4':4,5]pyrrolo[2,1-c][1,2,4]triazin]-7'-yl)amino)benzenesulfonamide
MF: $C_{19}H_{21}N_7O_3S$
FW: 427.5
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

INX-315 is supplied as a solid. A stock solution may be made by dissolving the INX-315 in the solvent of choice, which should be purged with an inert gas. INX-315 is soluble (≥10 mg/ml) in DMSO.

Description

INX-315 is an inhibitor of the cyclin-dependent kinase 2 (Cdk2)/cyclin E1 and Cdk2/cyclin A2 complexes (IC_{50}s = 0.6 and 2.5 nM, respectively).[1] It is selective for Cdk2/cyclin E1 and Cdk2/cyclin A2 complexes over other Cdk/cyclin complexes (IC_{50}s = 15.1-349 nM). INX-315 induces cell cycle arrest at the G_1 phase in OVCAR-3 ovarian cancer and MKN1 gastric carcinoma cells. It selectively reduces the viability of ovarian cancer cells that contain an amplification for *CCNE1*, the gene encoding cyclin E1, (IC_{50}s = 10-64 nM) over ovarian cancer cells that do not contain a *CCNE1* amplification (IC_{50}s = 159-3,560 nM). INX-315 (100 mg/kg) reduces tumor volume in patient-derived xenograft (PDX) mouse models of *CCNE1*-amplified gastric adenocarcinoma and ovarian cancer.

Reference

1. Dietrich, C., Trub, A., Ahn, A., *et al.* INX-315, a selective CDK2 inhibitor, induces cell cycle arrest and senescence in solid tumors. *Cancer Discov.* **14(3),** 446-467 (2024).

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
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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