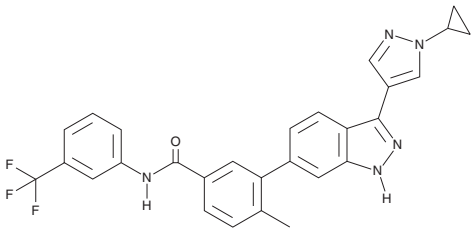
PRODUCT INFORMATION

FGFR1/DDR2 Inhibitor 1

Item No. 46739

CAS Registry No.:	2308497-58-5
Formal Name:	3-[3-(1-cyclopropyl-1H-pyrazol-4-yl)-1H-indazol-6-yl]-4-methyl-N-[3-(trifluoromethyl)phenyl]-benzamide
Synonym:	Fibroblast Growth Factor Receptor 1/ Discoidin Domain Receptor 2 Inhibitor 1
MF:	$C_{28}H_{22}F_3N_5O$
FW:	501.5
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

FGFR1/DDR2 Inhibitor 1 is supplied as a solid. A stock solution may be made by dissolving the FGFR1/DDR2 Inhibitor 1 in the solvent of choice, which should be purged with an inert gas. FGFR1/DDR2 Inhibitor 1 is soluble (≥10 mg/ml) in ethanol and DMSO.

Description

FGFR1/DDR2 inhibitor 1 is a dual inhibitor of discoidin domain-containing receptor 2 (DDR2) and FGFR1 (IC_{50}s = 3.2 and 31.1 nM, respectively).[1] It reduces the proliferation of NCI-H716 colorectal cancer, SNU-16 gastric cancer, KG-1 leukemia, and UM-UC-14 urothelial carcinoma cells, which overexpress FGFR (IC_{50}s = 31.8, 93.4, 108.4, and 306.6 nM, respectively), and NCI-2286 squamous cell carcinoma cells, which overexpress DDR2 (IC_{50} = 93.0 nM). FGFR1/DDR2 inhibitor 1 (10 mg/kg) inhibits tumor growth in NCI-H1581 non-small cell lung cancer and NCI-H2286 mouse xenograft models.

Reference

1. Wang, Q., Dai, Y., Ji, Y., *et al.* Discovery and optimization of a series of 3-substituted indazole derivatives as multi-target kinase inhibitors for the treatment of lung squamous cell carcinoma. *Eur. J. Med. Chem.* **63**, 671-689 (2019).

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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