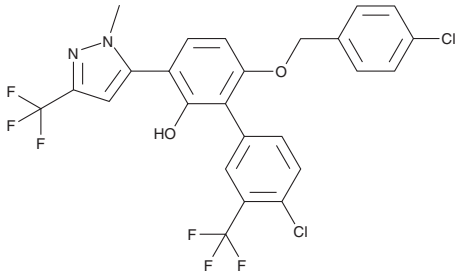
PRODUCT INFORMATION

MYCi975

Item No. 39622

CAS Registry No.:	2289691-01-4
Formal Name:	4′-chloro-6-[(4-chlorophenyl)methoxy]-3-[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]-3′-(trifluoromethyl)-[1,1′-biphenyl]-2-ol
Synonym:	NUCC-0200975
MF:	$C_{25}H_{16}Cl_2F_6N_2O_2$
FW:	561.3
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

MYCi975 is supplied as a solid. A stock solution may be made by dissolving the MYCi975 in the solvent of choice, which should be purged with an inert gas. MYCi975 is soluble in acetonitrile and DMSO.

Description

MYCi975 is an inhibitor of the protein-protein interaction between Myc and Myc-associated factor X (MAX).[1] It binds to Myc (K_d = 2.75 µM) and increases GSK3β-mediated Myc phosphorylation in a cell-free assay. MYCi975 (5 and 10 µM) decreases the viability of MyC-CaP and LNCaP prostate cancer cells. It induces apoptosis in a panel of 11 breast cancer cell lines when used at a concentration of 10 µM.[2] *In vivo*, MYCi975 (100 mg/kg) reduces tumor volume in a MyC-CaP mouse xenograft model.

References

1. Han, H., Jain, A.D., Truica, M.I., *et al.* Small-molecule MYC inhibitors suppress tumor growth and enhance immunotherapy. *Cancer Cell* **36(5)**, 483-497 (2019).
2. Tang, M., O'Grady, S., Crown, J., *et al.* MYC as a therapeutic target for the treatment of triple-negative breast cancer: Preclinical investigations with the novel MYC inhibitor, MYCi975. *Breast Cancer Res. Treat.* **195(2)**, 105-115 (2022).

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.

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