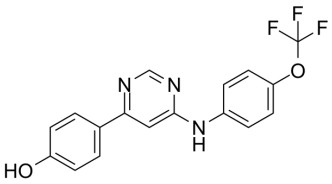
PROTAC BCR-ABL1 ligand 1

Cat. No.:	HY-130297
CAS No.:	2489876-34-6
Molecular Formula:	$C_{17}H_{12}F_3N_3O_2$
Molecular Weight:	347.29
Target:	Bcr-Abl
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PROTAC BCR-ABL1 ligand 1, compound GMB-475, is the ligand of PROTAC that allosterically targets BCR-ABL1 protein and recruits the E3 ligase Von Hippel-Lindau, resulting in ubiquitination and subsequent degradation of BCR-ABL1[1].
In Vitro	GMB-475 (0-10 μM) exhibits cell proferation with IC_{50} values of 1.11,1.98,0.37 μM for BCR-ABL1 WT, T315I, G250E cells, respectively[1]. GMB-475 (0-30 μM) induces the degradation of BCR-ABL1 and c-ABL1 with concomitant inhibition of downstream signaling via the STAT5 pathway, in a dose- and time-dependent fashion in the context of both K562 and Ba/F3 cells[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. Western Blot Analysis[1]

Cell Line:	K562 and Ba/F3 cells
Concentration:	0-30 μM
Incubation Time:	
Result:	Decreased p-STAT5 expression.

REFERENCES

[1]. Burslem GM, et al. Targeting BCR-ABL1 in Chronic Myeloid Leukemia by PROTAC-Mediated Targeted Protein Degradation. Cancer Res. 2019 Sep 15;79(18):4744-4753.