

Product Name : ML-162

Synonyms : ML 162;ML162

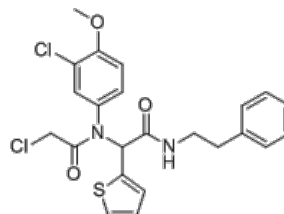
Cat No. : M10173

CAS Number : 1035072-16-2

Molecular Formula : C₂₃H₂₂Cl₂N₂O₃S

Formula Weight : 477.40

Chemical Name : 2-chloro-N-(3-chloro-4-methoxyphenyl)-N-(2-oxo-2-(phenethylamino)-1-(thiophen-2-yl)ethyl)acetamide



Description : A small-molecule probe that selectively kills cells induced to express mutant RAS; inhibits BJeLR (expressing HRAS G12V) cell lines with IC₅₀ of 25 nM, displays 23-fold sensitivity over BJeH-LT (isogenic to BJeLR without HRAS G12V) cell lines; a useful tool for identifying oncogene-specific pathways and targets in cancer cells.

Pathway : MAPK/ERK Signaling

Target : Ras

Receptor : Ras

Solubility : —

SMILES : COC1=CC(=C(C=C1)N(C(C2=CC=CS2)C(=O)NCCC3=CC=CC=C3)C(=O)CCl)Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Wewer M, et al. Bioorg Med Chem Lett. 2012 Feb 15;22(4):1822-6. 2. Bittker JA, et al. Probe Reports from the NIH Molecular Libraries Program.