

Product Data Sheet

Product Name: UR778Br

Cat. No.: GC74047

Chemical Properties

Cas. No. 866127-80-2

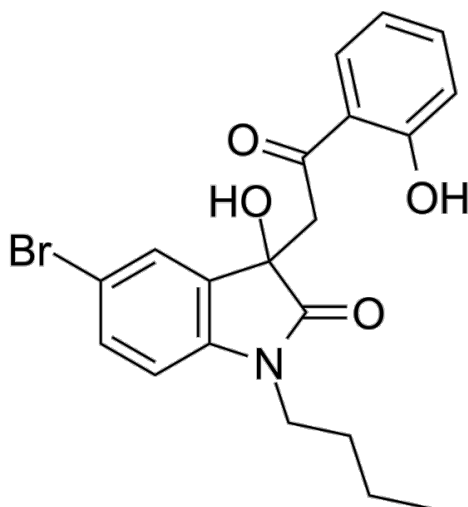
Formula $C_{20}H_{20}BrNO_4$ M.Wt 418.28

Solubility DMSO : 14.29 mg/mL (34.16 mM; ultrasonic and warming and adjust pH to 3 with 1 M HCL and heat to 60°C) Storage -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

UR778Br targets the GTPase-activating protein-related domain (GRD domain) of IQGAP1 proteins. UR778Br inhibits the proliferation of human acute myeloid leukemia (AML), arrests the cell cycle at the G2/M phase, and induces apoptosis. UR778Br inhibits colony formation of primary and AML cells, without significant impacts on normal bone marrow cells.

Caution: Product has not been fully validated for medical applications. For research use only.

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References:

[1]. Sahasrabudhe DM, et al., In silico predicted compound targeting the IQGAP1-GRD domain selectively inhibits growth of human acute myeloid leukemia. Sci Rep. 2024 Jun 4;14(1):12868.

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