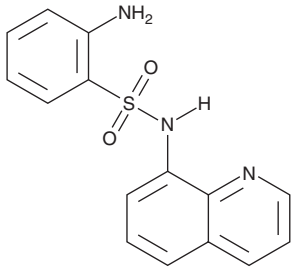
PRODUCT INFORMATION

CU-242

Item No. 46669

CAS Registry No.:	16082-64-7
Formal Name:	2-amino-N-8-quinolinyl-benzenesulfonamide
Synonyms:	2-Amino-N-quinoline-8-yl-benzenesulfonamide, NUN82647, QBS
MF:	$C_{15}H_{13}N_3O_2S$
FW:	299.3
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

CU-242 is supplied as a solid. A stock solution may be made by dissolving the CU-242 in the solvent of choice, which should be purged with an inert gas. CU-242 is sparingly soluble (1-10 mg/ml) in DMSO.

Description

CU-242 is an anticancer agent.[1,2] It induces cytotoxicity in Jurkat and MOLT-4 lymphoblastic leukemia cells and Raji and Ramos (RA 1) Burkitt lymphoma cells (EC_{50}s = 0.77, 0.87, 1.26, and 0.96 µM, respectively) and induces apoptosis and cell cycle arrest at the G_2/M phase in Jurkat cells.[1] CU-242 induces stabilization of IκBα (EC_{50} = 11 µM) and inhibits nuclear translocation of NF-κB (IC_{50} = 2 µM) in reporter assays.[2]

References

1. Kim, Y.-H., Shin, K.-J., Lee, T.G., *et al.* G2 arrest and apoptosis by 2-amino-*N*-quinoline-8-yl-benzenesulfonamide (QBS), a novel cytotoxic compound. *Biochem. Pharmacol.* **69(9)**, 1333-1341 (2005).
2. Xie, Y., Deng, S., Thomas, C.J., *et al.* Identification of *N*-(quinolin-8-yl)benzenesulfonamides as agents capable of down-regulating NFκB activity within two separate high-throughput screens of NFκB activation. *Bioorg. Med. Chem. Lett.* **18(1)**, 329-335 (2008).

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
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