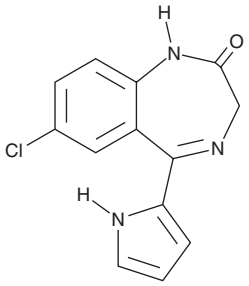
PRODUCT INFORMATION

Ro 5-3335

Item No. 45709



CAS Registry No.:	30195-30-3
Formal Name:	7-chloro-1,3-dihydro-5-(1H-pyrrol-2yl)-2H-1,4-benzodiazepin-2-one
Synonym:	NSC 66020
MF:	$C_{13}H_{10}ClN_3O$
FW:	259.7
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

Ro 5-3335 is supplied as a solid. A stock solution may be made by dissolving the Ro 5-3335 in the solvent of choice, which should be purged with an inert gas. Ro 5-3335 is soluble (≥10 mg/ml) in DMSO.

Description

Ro 5-3335 is a benzodiazepine that modulates the protein-protein interaction between RUNX family transcription factor 1 (RUNX1) and core-binding factor subunit β (CBFβ).[1] It inhibits transactivation of the CSF-1 receptor (CSF-1R) promoter, a target of RUNX1 and CBFβ, in a reporter assay. Ro 5-3335 reduces viability of leukemia cells harboring CBF or RUNX1 fusion proteins (IC_{50}s = 1.1-21.7 µM) to a greater extent than non-CBF leukemia cells (IC_{50}s = 54.6->200 µM). It also inhibits RUNX1/CBFβ-dependent hematopoiesis in zebrafish embryos.

Reference

1. Cunningham, L., Finckbeiner, S., Hyde, R.K., *et al.* Identification of benzodiazepine Ro5-3335 as an inhibitor of CBF leukemia through quantitative high throughput screen against RUNX1-CBFβ interaction. *Proc. Natl. Acad. Sci. USA* **109(36)**, 14592-14597 (2012).

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
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 06/04/2026

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM