



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

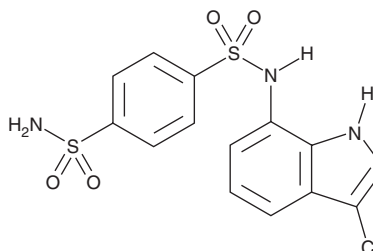
PRODUCT INFORMATION



Indisulam

Item No. 22759

CAS Registry No.: 165668-41-7
Formal Name: N¹-(3-chloro-1H-indol-7-yl)-1,4-benzenedisulfonamide
Synonym: E-7070
MF: C₁₄H₁₂ClN₃O₄S₂
FW: 385.8
Purity: ≥98%
UV/Vis.: λ_{max}: 224, 272, 281 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Indisulam is supplied as a crystalline solid. A stock solution may be made by dissolving the indisulam in the solvent of choice. Indisulam is soluble in organic solvents such as DMSO and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of indisulam in these solvents is approximately 30 mg/ml. Indisulam is also slightly soluble in ethanol.

Indisulam is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, indisulam should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. Indisulam has a solubility of approximately 0.2 mg/ml in a 1:4 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

Indisulam is a sulfonamide with anticancer activity.¹ *In vitro*, indisulam has antiproliferative effects on a wide range of human tumor lines with HCT116 colorectal being the most sensitive and NCI-H596 non-small cell lung cancer (NSCLC) the most resistant (IC₅₀s = 0.11 and 94 µg/ml, respectively). It increases the number of P388 murine leukemia cells in the G₁ phase of the cell cycle in a dose-dependent manner and exerts time-dependent cytotoxicity against HCT116 cells. *In vivo*, indisulam suppresses tumor growth and decreases tumor volume in murine HCT116, SW620, and HCT15 colorectal and LX-1 and PC9 lung cancer xenograft models. Indisulam induces proteasomal degradation of RNA binding motif protein 39 (RBM39) through association with the CUL4-DCAF15 E3 ubiquitin ligase *in vitro*.² It is also an inhibitor of carbonic anhydrase in *H. pylori* (K_i = 310-562 nM).³ Formulations containing indisulam are under clinical investigation for the treatment of solid tumors.⁴

References

1. Ozawa, Y., Sugi, N.H., Nagasu, T., et al. *Eur. J. Cancer* **37**(17), 2275-2282 (2001).
2. Han, T., Goralski, M., Gaskill, N., et al. *Science* **356**(6336) (2017).
3. Nishimori, I., Vullo, D., Minakuchi, T., et al. *Bioorg. Med. Chem. Lett.* **16**(8), 2182-2188 (2006).
4. Siegel-Lakhai, W.S., Zandvliet, A.S., Huitema, A.D., et al. *Br. J. Cancer* **98**(8), 1320-1326 (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

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, 09/18/2017

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