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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

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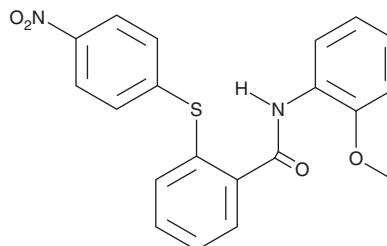
PRODUCT INFORMATION



RN-18

Item No. 23331

CAS Registry No.: 431980-38-0
Formal Name: N-(2-methoxyphenyl)-2-[(4-nitrophenyl)thio]-benzamide
MF: C₂₀H₁₆N₂O₄S
FW: 380.4
Purity: ≥98%
UV/Vis.: λ_{max}: 332 nm
Supplied as: A crystalline 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

RN-18 is supplied as a crystalline solid. A stock solution may be made by dissolving the RN-18 in the solvent of choice, which should be purged with an inert gas. RN-18 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). RN-18 is slightly soluble in ethanol and has a solubility of approximately 30 mg/ml in DMSO and DMF.

RN-18 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, RN-18 should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. RN-18 has a solubility of approximately 0.33 mg/ml in a 1:2 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

RN-18 is an inhibitor of HIV-1 viral infectivity factor (Vif), an HIV-1 regulatory protein that does not have cellular homologs.¹ RN-18 inhibits Vif-mediated degradation of the DNA editing enzyme APOBEC3G with IC₅₀ values of 10-30 μM in a high-throughput fluorescence screen. It inhibits viral replication of HIV-1 with IC₅₀ values of 4.5 and 10 μM for nonpermissive CEM and H9 cells, respectively, and >100 μM for permissive cells.

Reference

1. Nathans, R., Cao, H., Sharova, N., *et al.* Small-molecule inhibition of HIV-1 Vif. *Nat. Biotechnol.* **26**(10), 1187-1192 (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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