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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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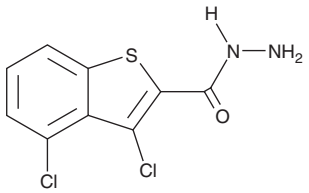
PRODUCT INFORMATION

OGG1-IN-O8

Item No. 29769

CAS Registry No.:	350997-39-6
Formal Name:	3,4-dichloro-benzo[b]thiophene-2-carboxylic acid, hydrazide
MF:	$C_9H_6Cl_2N_2OS$
FW:	261.1
Purity:	≥98%
UV/Vis.:	λ_{max}: 237, 284, 311 nm
Supplied as:	A 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

OGG1-IN-O8 is supplied as a solid. A stock solution may be made by dissolving the OGG1-IN-O8 in the solvent of choice, which should be purged with an inert gas. OGG1-IN-O8 is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of OGG1-IN-O8 in these solvents is approximately 10 and 5 mg/ml, respectively.

OGG1-IN-O8 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, OGG1-IN-O8 should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. OGG1-IN-O8 has a solubility of approximately 0.25 mg/ml in a 1:3 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

OGG1-IN-O8 is an inhibitor of 8-oxoguanine DNA glycosylase 1 (OGG1; IC_{50} = 0.35 µM).[1] It is selective for OGG1 over Nei-like DNA glycosylase 1 (NEIL1), endonuclease III homolog 1 (NTH1), and formamidopyrimidine DNA glycosylase (Fpg) at 50 µM.

Reference

1. Lloyd, R.S., Mccullough, A.K., and Donley, N. Small molecule inhibitors of 8-oxoguanine DNA glycosylase-1 (OGG1). *Oregon Health & Science University* **WO2017011834A1** (2016).

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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