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Produktinformation

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

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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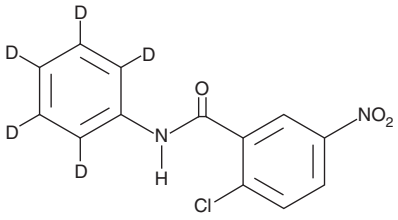
PRODUCT INFORMATION

GW 9662-d_5

Item No. 9000497

Formal Name:	2-chloro-5-nitrobenzanilide-10,11,12,13,14-d_5
MF:	$C_{13}H_4ClD_5N_2O_3$
FW:	281.7
Chemical Purity:	≥98% (GW 9662)
Deuterium Incorporation:	≥99% deuterated forms (d_1-d_5); ≤1% d_0
UV/Vis.:	λ_{max}: 260 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

GW 9662-d_5 is intended for use as an internal standard for the quantification of GW 9662 by GC- or LC-MS. The accuracy of the sample weight in this vial is between 5% over and 2% under the amount shown on the vial. If better precision is required, the deuterated standard should be quantitated against a more precisely weighed unlabeled standard by constructing a standard curve of peak intensity ratios (deuterated *versus* unlabeled).

GW 9662-d_5 is supplied as a crystalline solid. A stock solution may be made by dissolving the GW 9662-d_5 in the solvent of choice, which should be purged with an inert gas. GW 9662-d_5 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. The solubility of GW 9662-d_5 in these solvents is approximately 2, 33, and 35 mg/ml, respectively.

Description

GW 9662 blocks the PPARγ-induced differentiation of monocytes to osteoclasts by >90% at a dose of 0.1 µM.[1] It is therefore a much more potent antagonist than BADGE, which is another reported PPARγ antagonist.[1]

Reference

1. Jones, A.E., Wilson, H.K., Meath, P., *et al.* Convenient syntheses of the in vivo carbohydrate metabolites of mycophenolic acid: Reactivity of the acyl glucuronide. *Tetrahedron Lett.* **50(35)**, 4973-4977 (2009).

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