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Produktinformation

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- 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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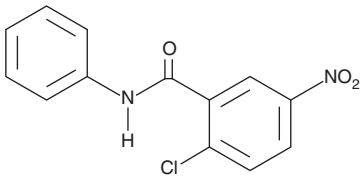
PRODUCT INFORMATION

GW 9662

Item No. 70785

CAS Registry No.:	22978-25-2
Formal Name:	2-chloro-5-nitrobenzanilide
MF:	$C_{13}H_9ClN_2O_3$
FW:	276.7
Purity:	≥98%
UV/Vis.:	λ_{max}: 261 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 is supplied as a crystalline solid. A stock solution may be made by dissolving the GW 9662 in the solvent of choice, which should be purged with an inert gas. GW 9662 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). The solubility of GW 9662 in these solvents is approximately 2, 33, and 35 mg/ml, respectively. .

GW 9662 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, GW 9662 should first be dissolved in DMF and then diluted with the aqueous buffer of choice. GW 9662 has a solubility of approximately 0.5 mg/ml in a 1:2 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

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.[2]

References

1. Davies, S.S., Pontsler, A.V., Marathe, G.K., *et al.* Oxidized alkyl phospholipids are specific, high affinity peroxisome proliferator-activated receptor γ ligands and agonists. *J. Biol. Chem.* **276(19)**, 16015-16023 (2001).
2. Bendixen, A.C., Shevde, N.K., Dienger, K.M., *et al.* IL-4 inhibits osteoclast formation through a direct action on osteoclast precursors via peroxisome proliferator-activated receptor γ1. *Proc. Natl. Acad. Sci. USA* **98**, 2443-2448 (2001).

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