



# 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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

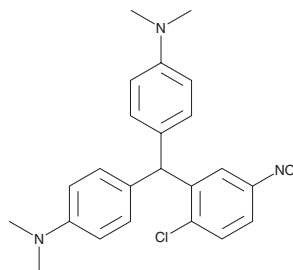
# PRODUCT INFORMATION



**AL 082D06**

Item No. 23455

**CAS Registry No.:** 256925-03-8  
**Formal Name:** 4,4'-[(2-chloro-5-nitrophenyl)methylene]bis[N,N-dimethyl]-benzenamine  
**MF:** C<sub>23</sub>H<sub>24</sub>ClN<sub>3</sub>O<sub>2</sub>  
**FW:** 409.9  
**Purity:** ≥98%  
**UV/Vis.:** λ<sub>max</sub>: 268 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

AL 082D06 is supplied as a crystalline solid. A stock solution may be made by dissolving the AL 082D06 in the solvent of choice. AL 082D06 is soluble in organic solvents such as DMSO and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of AL 082D06 in these solvents is approximately 2.5 and 10 mg/ml, respectively.

AL 082D06 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, AL 082D06 should first be dissolved in DMF and then diluted with the aqueous buffer of choice. AL 082D06 has a solubility of approximately 0.33 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

AL 082D06 is a non-steroidal antagonist of the glucocorticoid receptor (GR; K<sub>i</sub> = 210 nM; EC<sub>50</sub> = 0.3 nM in a luciferase assay).<sup>1</sup> It is selective for GR over the androgen, progesterone, mineralocorticoid, and estrogen receptors with K<sub>i</sub> values greater than 4, 3, 3, and 10 μM, respectively. AL 082D06 inhibits transcriptional activation induced by glucocorticoids and reverses dexamethasone-mediated repression of gene expression in a luciferase reporter assay. It blocks GR binding to DNA *in vitro* when induced by either dexamethasone (Item No. 11015) or mifepristone (Item No. 10006317). In contrast to the steroid-type GR antagonists ZK-299 and mifepristone, GR bound to AL 082D06 does not compete with a constitutively active GR.

## Reference

1. Miner, J.N., Tyree, C., Hu, J., *et al.* A nonsteroidal glucocorticoid receptor antagonist. *Mol. Endocrinol.* **17**(1), 117-127 (2003).

### 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, 11/30/2017

## 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