



# SZABO SCANDIC

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## Produktinformation



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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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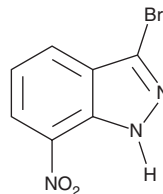
# PRODUCT INFORMATION



## 3-bromo-7-Nitroindazole

Item No. 81345

CAS Registry No.: 74209-34-0  
Formal Name: 3-bromo-7-nitro-1H-indazole  
MF:  $C_7H_4BrN_3O_2$   
FW: 242.0  
Purity:  $\geq 98\%$   
UV/Vis.:  $\lambda_{\max}$ : 232, 361 nm  
Supplied as: A crystalline solid  
Storage:  $-20^\circ\text{C}$   
Stability:  $\geq 4$  years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

3-bromo-7-Nitroindazole supplied as a crystalline solid. A stock solution may be made by dissolving the 3-bromo-7-Nitroindazole in an organic solvent purged with an inert gas. 3-bromo-7-Nitroindazole is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. The solubility of 3-bromo-7-Nitroindazole in these solvents is approximately 20 mg/ml.

Organic solvent-free aqueous solutions of 3-bromo-7-Nitroindazole can be prepared by directly dissolving the crystalline compound in aqueous buffers. The solubility of 3-bromo-7-Nitroindazole in PBS, pH 7.2, is approximately 50  $\mu\text{g}/\text{ml}$ .

For maximum solubility in aqueous buffers, 3-bromo-7-Nitroindazole should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. 3-bromo-7-Nitroindazole has a solubility of approximately 1 mg/ml in a 50:50 solution of DMSO:Water using this method. We do not recommend storing the aqueous solution for more than one day.

### Description

3-bromo-7-Nitroindazole is a potent inhibitor of neuronal nitric oxide synthase (nNOS), and is approximately 4.5 times more potent than 7-Nitroindazole. The  $\text{IC}_{50}$  value for 3-bromo-7-Nitroindazole in a rat cerebellar homogenate is 0.17  $\mu\text{M}$  and in a bovine endothelial homogenate is 0.86  $\mu\text{M}$  at an arginine concentration of 120 nM.<sup>1</sup>

### Reference

1. Bland-Ward, P.A., Pitcher, A., Wallace, P., *et al.* Isoform selectivity of indazole-based nitric oxide synthase inhibitors. *Br. J. Pharmacol.* **112**, 351P (1994).

#### 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.

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