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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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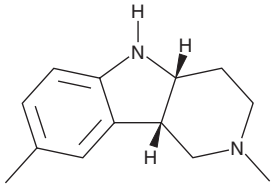
PRODUCT INFORMATION

Stobadine

Item No. 36082

CAS Registry No.:	85202-17-1
Formal Name:	2,3,4,4aR,5,9bS-hexahydro-2,8-dimethyl-1H-pyrido[4,3-b]indole
Synonym:	Stobadin
MF:	$C_{13}H_{18}N_2$
FW:	202.3
Purity:	≥98%
Supplied as:	A 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

Stobadine is supplied as a solid. A stock solution may be made by dissolving the stobadine in the solvent of choice, which should be purged with an inert gas. Stobadine is soluble in the organic solvent DMSO at a concentration of approximately 100 mM.

Description

Stobadine is a pyridoindole antioxidant.[1] It scavenges hydroxyl, peroxyl, and alkoxyl radicals and quenches singlet oxygen in cell-free assays. *Ex vivo*, stobadine (2 mg/kg) reduces lipid peroxidation induced by hypoxia and reoxygenation in rat forebrain.[2] It improves survival in a rat model of carotid artery ligation-induced cerebral ischemia. Stobadine (1 mg/kg, i.v.) increases myocardial blood flow and decreases infarct area in a dog model of myocardial infarction induced by acute occlusion of the left coronary artery.[1] Dietary administration of stobadine (0.05% w/w) delays the development of cataracts and reduces eye lens protein oxidation and plasma levels of malondialdehyde (MDA) in a rat model of diabetes induced by streptozotocin (STZ; Item No. 13104).[3]

References

1. Horáková, L. and Štolc, S. Antioxidant and pharmacodynamic effects of pyridoindole stobadine. *Gen. Pharmacol.* **30(5)**, 627-638 (1998).
2. Štolc, S., Vlkolinský, R., and Pavlásek, J. Neuroprotection by the pyridoindole stobadine: A minireview. *Brain Res. Bull.* **42(5)**, 335-340 (1997).
3. Kyselova, Z., Gajdosik, A., Gajdosikova, A., *et al.* Effect of the pyridoindole antioxidant stobadine on development of experimental diabetic cataract and on lens protein oxidation in rats: Comparison with vitamin E and BHT. *Mol. Vis.* **11**, 56-65 (2005).

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