

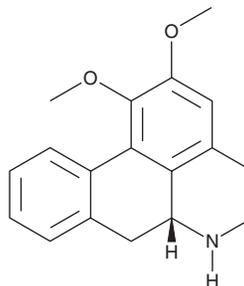
# PRODUCT INFORMATION



## N-Nornuciferine

Item No. 34756

**CAS Registry No.:** 4846-19-9  
**Formal Name:** 5,6,6aR,7-tetrahydro-1,2-dimethoxy-4H-dibenzo[de,g]quinoline  
**Synonyms:** (R)-Nornuciferine, (-)-Nornuciferine  
**MF:** C<sub>18</sub>H<sub>19</sub>NO<sub>2</sub>  
**FW:** 281.4  
**Purity:** ≥98%  
**UV/Vis.:** λ<sub>max</sub>: 232, 271 nm  
**Supplied as:** A solid  
**Storage:** -20°C  
**Stability:** ≥4 years  
**Item Origin:** Plant/*Nelumbo nucifera*



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

### Laboratory Procedures

N-Nornuciferine is supplied as a solid. A stock solution may be made by dissolving the N-nornuciferine in the solvent of choice, which should be purged with an inert gas. N-Nornuciferine is soluble in the organic solvent DMSO.

### Description

N-Nornuciferine is an alkaloid that has been found in *A. grandifolia* and has cholinesterase inhibitory activity.<sup>1</sup> It is an inhibitor of butyrylcholinesterase (BChE; IC<sub>50</sub> = 5.6 μM for the mouse enzyme).

### Reference

1. Cometa, M.F., Fortuna, S., Palazzino, G., *et al.* New cholinesterase inhibiting bisbenzylisoquinoline alkaloids from *Abuta grandifolia*. *Fitoterapia* **83(3)**, 476-480 (2012).

#### 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

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