

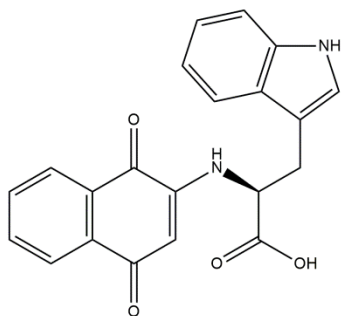
NQTrp

01/20

ALTERNATE NAMES: N-(1,4-Dihydro-1,4-dioxo-2-naphthalenyl)-L-tryptophan; (2S)-2-[(1,4-dioxonaphthalen-2-yl)amino]-3-(1H-indol-3-yl)propanoic acid; 1,4-naphthoquinon-2-yl-L-tryptophan

CATALOG #: B2981-5 5 mg
 B2981-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₁H₁₆N₂O₄

MOLECULAR WEIGHT: 360.36

CAS NUMBER: 185351-19-3

APPEARANCE: Solid

PURITY: 98%

SOLUBILITY: ~20 mg/ml in DMSO and DMF
 ~1 mg/ml in Ethanol

DESCRIPTION: NQTrp is an inhibitor of amyloid β (A β) oligomerization and fibrillization, with an IC₅₀ of 50 nM for formation of fibrils from A β 1-42. It reduces the cytotoxic effect of A β oligomers in rat PC12 neuronal cell line. It also increases the life span and completely abolishes defective locomotion in a transgenic Alzheimer's disease Drosophila model.

STORAGE TEMPERATURE: -20°C. Protect from air. Store under desiccating conditions.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCE: Scherzer-Attali, R., Pellarin, R., Convertino, M., et al. Complete phenotypic recovery of an Alzheimer's disease model by a quinone-tryptophan hybrid aggregation inhibitor. PLoS One 5(6), (2010).

RELATED PRODUCTS:

NIAD-4 (Cat. No. 2710)
 GSK-2814338 (Cat. No. B2426)
 PLX5622 (free base) (Cat. No. B2965)
 CRANAD-2 (Cat. No. 2699)
 BI-409306 (Cat. No. B2377)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*