3,5-Bis(4-nitrophenoxy)benzoic acid

Cat. No.: HY-103539

CAS No.: 173550-33-9

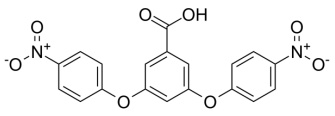
Molecular Formula: $C_{19}H_{12}N_2O_8$

Molecular Weight: 396.31

Target: γ-secretase

Pathway: Neuronal Signaling; Stem Cell/Wnt

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

3,5-Bis(4-nitrophenoxy)benzoic acid is an inhibitor of γ-secretase. 3,5-Bis(4-nitrophenoxy)benzoic acid causes a decrease in the released levels of Aβ42 and notch-1 Aβ-like peptide 25 (Nβ25). 3,5-Bis(4-nitrophenoxy)benzoic acid, as a marker for fetal hypothyroidism, is a 3,3'-diiodothyronine sulfate (T2S) cross-reactive material in maternal serum[1].

REFERENCES

[1]. Wu SY, et al. Compound W, a 3,3'-diiodothyronine sulfate cross-reactive substance in serum from pregnant women--a potential marker for fetal thyroid function. Pediatr Res. 2007;61(3):307-312.

[2]. Ran Y, et al. Differential Inhibition of Signal Peptide Peptidase Family Members by Established γ-Secretase Inhibitors. PLoS One. 2015;10(6):e0128619. Published 2015 Jun 5.

[3]. Greife A, et al. Canonical Notch signalling is inactive in urothelial carcinoma. BMC Cancer. 2014;14:628. Published 2014 Aug 29.

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