Nitroaspirin

Cat. No.: HY-123823
CAS No.: 175033-36-0
Molecular Formula: C₁₆H₁₃NO₇
Molecular Weight: 331.28
Target: COX; Apoptosis
Pathway: Immunology/Inflammation; Apoptosis
Storage: Please store the product under the recommended conditions in the COA.

BIOLOGICAL ACTIVITY

Description
Nitroaspirin (NCX 4016) is a nitric oxide (NO) donor and a nitro-derivative of Aspirin, which combines with Nitroaspirin to inhibit cyclooxygenase. Nitroaspirin (NCX 4016) has antithrombotic and anti-platelet properties and acts as a direct and irreversible inhibitor of COX-1. Nitroaspirin (NCX 4016) causes significant induction of cell cycle arrest and apoptosis in Cisplatin-resistant human ovarian cancer cells via down-regulation of EGFR/PI3K/STAT3 signaling and modulation of Bcl-2 family proteins\[1]\[2]\[3]\[4].

IC₅₀ & Target
COX-1

REFERENCES


Caution: Product has not been fully validated for medical applications. For research use only.

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