

Product Name	: NQ301
Synonyms	: NQ-301; NQ 301; NQ301
Cat No.	: M17241
CAS Number	: 130089-98-4
Molecular Formula	: C ₁₈ H ₁₂ ClNO ₃
Formula Weight	: 325.75
Chemical Name	: 2-[(4-Acetylphenyl)amino]-3-chloro-1,4-naphthalenedione
Description	: NQ-301 is a Selective CD45 inhibitor with Antiplatelet and antithrombotic activities (IC ₅₀ = 200 nM). NQ301 inhibits thromboxane A2 receptor and synthase activity in rabbit platelets. The antiplatelet activity of NQ301 may be mediated by inhibition of cytosolic Ca ²⁺ mobilization, enhancement of cAMP production and inhibition of ATP secretion in activated platelets.
Pathway	: Angiogenesis
Target	: c-Met/HGFR
Receptor	: arachidonic acid-challenged rabbit platelet aggregation; collagen-challenged rabbit platelet aggregation; U46619-challenged rabbit platelet aggregation
Solubility	: DMSO : ≥ 29 mg/mL. 89.03 mM
SMILES	: <chem>CC(=O)c1ccc(cc1)NC1=C(C(=O)c2ccccc2C1=O)Cl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Jin YR, et al. An antithrombotic agent, NQ301, inhibits thromboxane A2 receptor and synthase activity in rabbit platelets. Basic Clin Pharmacol Toxicol. 2005 Sep;97(3):162-7.