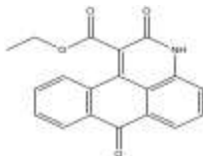


**PRODUCT: NQDI-1****ALTERNATE NAME:** 2,7-dihydro-2,7-dioxo-3H-naphtho[1,2,3-de]quinoline-1-carboxylic acid, ethyl ester**CATALOG #:** 9645-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>19</sub>H<sub>13</sub>NO<sub>4</sub>**MOLECULAR WEIGHT:** 319.31**CAS#:** 175026-96-7**APPEARANCE:** Yellow solid**SOLUBILITY:** DMSO (~ 10 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C Protect from air and light**DESCRIPTION:** NQDI-1 is a specific inhibitor of apoptosis signal-regulating kinase 1 (ASK1) (IC<sub>50</sub> = 3 μM; K<sub>i</sub> = 500 nM) that demonstrates potent selectivity against various serine/threonine and tyrosine protein kinases. It has been used to promote survival of induced pluripotent stem cell populations and to protect neurons from reactive oxygen species-induced apoptosis in a model of ischemia.**REFERENCE:** Volynets, G.P., *et al.* (2011). *J. Med. Chem.* **54**, 2680-2686.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Active ASK1 (**Cat. No. 7710**)ASK1 Antibody(**Cat. No. 3128-100**)**USAGE:****FOR RESEARCH USE ONLY! Not to be used in humans!**