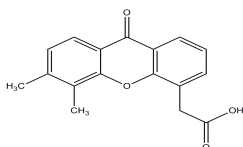


PRODUCT: DMXAA**RELATED PRODUCTS:**

cGAMP disodium salt (Cat. No. 2435-100)

ALTERNATE NAME: 2-(5,6-dimethyl-9-oxoxanthen-4-yl)acetic acid; Vadimezan; ASA404; NSC 640488**CATALOG #:** 2804-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₇H₁₄O₄**MOLECULAR WEIGHT:** 282.29**CAS NUMBER:** 117570-53-3**APPEARANCE:** White solid**SOLUBILITY:** DMSO (>10 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** DMXAA acts as a tumor vascular disrupting agent, inducing apoptosis in tumor vascular endothelium resulting in necrosis at the tumor core. It potently activates the TANK-binding kinase 1-interferon regulatory factor 3 signaling pathway in leukocytes, inducing type-I-interferon production. In addition, DMXAA significantly inhibits several kinases in endothelial cells, including the vascular endothelial growth factor (VEGF) receptors VEGFR1 and VEGFR2 (IC₅₀ = 119 and 11 μM, respectively). Recent studies have shown that DMXAA is a competitive agonist ligand for mouse.**REFERENCE:** Kim, S., *et al.* (2013). *ACS Chem. Biol.* **8**, 1396-1401.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**