
| Catalog | Unit |
|--------------|-------|
| TBI2676-5MG | 5 mg |
| TBI2676-25MG | 25 mg |

Product Details

Formal Name: 5,6-Dimethylxanthenone-4-acetic acid

Alternate Names: ASA404; Vadimezan

Molecular Formula: C₁₇H₁₄O₄

Formula Weight: 282.29

CAS Number: 117570-53-3

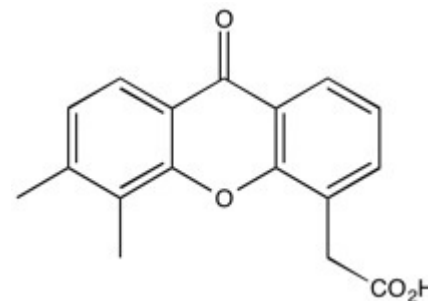
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 5 mg/ml) or in DMF (up to 14 mg/ml with warming)

Storage: RT

Stability: ≥ 1 year.



Applications

STING activator (mouse); Tumor vascular disrupting agent

Functions

STING (Stimulator of Interferon Genes) agonist selective for mouse STING. Intratumoral administration of DMXAA resulted in tumor regression and complete rejection in mouse xenografts. Tumor regression induced by DMXAA results from a cascade of cellular events which include disruption of tumor vasculature followed by the release of chemokines which trigger the recruitment of immune cells. DMXAA induced expression of IFN- β resulting in a striking expansion of leukemia-specific T cells extending survival in two acute myeloid leukemia models.

Application Procedures

First dissolved in DMSO (up to 5 mg/ml) or in DMF (up to 14 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or DMF may be stored at -20°C for up to 3 months.

For research use only.