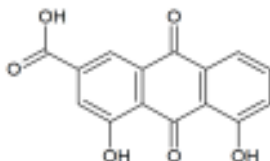


# Rhein

**ALTERNATE NAME:** 9,10-dihydro-4,5-dihydroxy-9,10-dioxo-2-anthracenecarboxylic acid  
NSC-38629

**CATALOG #:** B2737-50 50 mg  
B2737-250 250 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>15</sub>H<sub>8</sub>O<sub>6</sub>

**MOLECULAR WEIGHT:** 284.22

**CAS NUMBER:** 478-43-3

**APPEARANCE:** Yellow solid

**PURITY:** ≥95%

**SOLUBILITY:** ~10 mg/ml DMSO

**DESCRIPTION:** Rhein is an anthraquinone derivative that displays diverse biological activities, including anticancer, antioxidant, and anti-inflammatory activities. Also acts as a Fat mass and obesity-associated protein FTO (mRNA N6-methyladenine demethylase) inhibitor (IC<sub>50</sub> = 1.2 - 21 μM; Ki = 1.8 μM). Also inhibits ALKBH3 and ALKBH2 (IC<sub>50</sub> values are 5.3 and 9.1 μM, respectively). Sensitizes glioblastoma cells to alkylating agents.

**STORAGE TEMPERATURE:** -20°C. Protect from light

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

FTO, human recombinant (7557)  
N6-Methyladenosine Antibody (6653)  
FTO (human intracellular) ELISA Kit (K4921)  
FTO, mouse recombinant (7558)  
FTO Antibody (Clone FT86-4) (6699)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*