

Product Name : Etacrynic acid

Synonyms : Edecrin

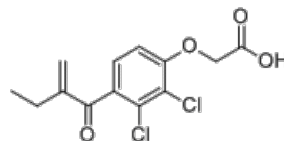
Cat No. : M15149

CAS Number : 58-54-8

Molecular Formula : C₁₃H₁₂Cl₂O₄

Formula Weight : 303.14

Chemical Name : Acetic acid, [2,3-dichloro-4-(2-methylene-1-oxobutyl)phenoxy]- (9Cl)



Description : A loop diuretic used to treat high blood pressure and the swelling, a novel ligand and inhibitor of MAP2K6 kinase that inhibits MAP2K6 in part through alkylation of a nonconserved cysteine residue; shows anticancer activity, and also is a potent inhibitor of glutathione S-transferase; shows antitumor effects and may enhance the cytotoxicity of chemotherapeutic agents by binding to glutathione and inhibiting WNT signaling. Other Indication Phase 2 Clinical

Pathway : MAPK/ERK Signaling

Target : MEK

Receptor : NKCC2; GST

Solubility : Ethanol: 30 mg/mL; DMSO: 30 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)

SMILES : CCC(=C)C(=O)C1=C(C(=C(C=C1)OCC(=O)O)Cl)Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Chan AI, et al. J Am Chem Soc. 2017 Aug 2;139(30):10192-10195. | 2. Wang R, et al. Clin Cancer Res. 2012 Dec 15;18(24):6690-701. | 3. Bryant ZE, et al. Bioorg Med Chem Lett. 2011 Feb 1;21(3):912-5. | 4. Liu B, et al. Oncotarget. 2016 Sep 6;7(36):58038-58050.