



Formula: C₁₄H₆O₈

MW: 302.2

Salt: H₂O

CAS: 476-66-4

TNP NUMBER: TNP00132

MDL NUMBER: MFCD00006914

Smiles: c12c3c4oc(c2cc(O)c(c1oc(c3cc(O)c4O)=O)O)=O

THERAPEUTIC CATEGORY: Hemostatic

REFERENCE: Cited Reference 1. M. Das et al. *Biochem. Biophys. Res. Commun.* 120, 427, (1984) 2. C. Kluft et al. *Adv. Exp. Med. Biol.* 156A, 201, (1983) 3. Exner, T. and Rickard, K.A. *Thromb. Res.* 26, 83, (1982) Reference Majid, S., et al., Influence of ellagic acid on antioxidant defense system and lipid peroxidation in mice. *Biochem. Pharmacol.* 42, 1441-1445, (1991) abstract Weinder-Wells, M.A., et al., DNA gyrase inhibitory activity of ellagic acid derivatives. *Bioorg. Med. Chem. Lett.* 8, 97-100, (1998) abstract Constantinou, A., et al., The dietary anticancer agent ellagic acid is a potent inhibitor of DNA topoisomerases in vitro. *Nutr. Cancer* 23, 121-130, (1995) abstract Gali, H.U., et al., Hydrolyzable tannins: potent inhibitors of hydroperoxide production and tumor promotion in mouse skin treated with 12-O-tetradecanoylphorbol 13-acetate in vivo. *Int. J. Cancer* 51, 425-432, (1992) abstract Cozzi, R., et al., Taurine and ellagic acid: two differently-acting natural antioxidants. *Environ. Mol. Mutagen.* 26, 248-254, (1995) abstract Castonguay, A., et al., Biodistribution of, antimutagenic efficacies in *Salmonella typhimurium* of, and inhibition of P450 activities by ellagic acid and one analogue. *Chem. Res. Toxicol.* 11, 1258-1264, (1998) abstract Hayatsu, H., et al., Dietary inhibitors of mutagenesis and carcinogenesis. *Mutat. Res.* 202,

429-446, (1988) abstract Merck Merck 13,3580 Beilstein Beil. 19,V,7,108

SOURCE: A naturally occurring plant phenol. From tree bark. From kino of *Eucalyptus maculata* Hook and *E. hemifolia*

ACCEPTORS: 8

DONORS: 4

ROTATION BONDS: 4

N+O: 8

Chiral Centers: 0

LogP: 1.14

LogS: -3.01

LIPINSKI: 4

