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## Product Datasheet

### Ethacrynic acid, CAS [[58-54-8]] FBM-10-2826

Artikelname	Ethacrynic acid, CAS [[58-54-8]]
Artikelnummer	FBM-10-2826
Hersteller Artikelnummer	10-2826
Alternativnummer	FBM-10-2826-1G,FBM-10-2826-5G
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Glutathione transferase inhibitor...
Molekulargewicht	303.14
Reinheit	>99% by HPLC, NMR (Conforms)
Formulierung	White or off-white solid
CAS Nummer	[58-54-8]
Formel	C13H12Cl2O4
Anwendungsbeschreibung	Ethacrynic acid (58-54-8) was found to be an inhibitor of glutathione transferase P1-1 (GST P1-1) in a screen of FDA-approved drugs. It inhibits both GST P1-1 and A3-1, IC50s=4.9 and 0.4 $\mu$ M respectively and apparently acts as an allosteric inhibitor. <sup>1</sup> It forms conjugates with glutathione which also inhibit GST competitively. <sup>2</sup> Ethacrynic acid is cytotoxic to a number of cancer cells <sup>3</sup> and synergizes with anticancer agents like afatinib <sup>4</sup> . It is a clinically useful diuretic agent. <sup>5</sup>