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Product Datasheet

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

Article Name	Ethacrynic acid, CAS [[58-54-8]]
Biozol Catalog Number	FBM-10-2826
Supplier Catalog Number	10-2826
Alternative Catalog Number	FBM-10-2826-1G,FBM-10-2826-5G
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Glutathione transferase inhibitor...
Molecular Weight	303.14
Purity	>99% by HPLC, NMR (Conforms)
Form	White or off-white solid
CAS Number	[58-54-8]
Formula	C ₁₃ H ₁₂ Cl ₂ O ₄
Application Notes	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, IC ₅₀ s=4.9 and 0.4 μM respectively and apparently acts as an allosteric inhibitor. ¹ It forms conjugates with glutathione which also inhibit GST competitively. ² Ethacrynic acid is cytotoxic to a number of cancer cells ³ and synergizes with anticancer agents like afatinib ⁴ . It is a clinically useful diuretic agent. ⁵