LKT Laboratories, Inc.

Hydrochlorothiazide

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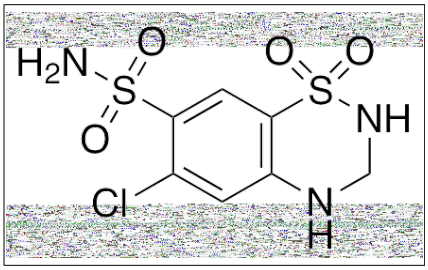
Product Information

Product ID H9614
CAS No. 58-93-5
Chemical Name 6-chloro-1,1-dioxo-3,4-dihydro-2H-benzo[e][1,2,4]thiadiazine -7-sulfonamide

Synonym

Formula $C_7H_8ClN_3O_4S_2$
Formula Wt. 297.74
Melting Point 274°C
Purity ≥98%
Solubility 200 mM ethanol; 100 mM 50% ethanol



Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
H9614	100 mg	$54.60
H9614	5 g	$88.10
H9614	25 g	$163.50

Store Temp Ambient
Ship Temp Ambient

Description Hydrochlorothiazide (HCT) is an antihypertensive thiazide diuretic that is used to treat hypertension and chronic kidney disease. HCT competes for the Cl- site on the Na+/Cl- co-transporter (NCCT), decreasing reabsorption of Na+ in the distal convoluted tubule, inducing natriuresis and decreasing blood volume. HCT also partially inhibits carbonic anhydrase I in erythrocytes and vascular smooth muscle cells; this mechanism may be behind the ability of HCT to decrease peripheral vascular resistance and blood pressure. Separately, HCT may also increase reabsorption of Ca2+. This compound may also exhibit anticancer chemotherapeutic benefit in conjunction with UVA light, as it enhances production of TT dimers in vitro and in vivo.

References

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