

Metolazone

Catalog No: tcsc2150



Available Sizes

Size: 50mg

Size: 100mg



Specifications

CAS No:

17560-51-9

Formula:

$C_{16}H_{16}ClN_3O_3S$

Pathway:

Metabolic Enzyme/Protease

Target:

Thrombin

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

SR-720-22

Observed Molecular Weight:

365.83

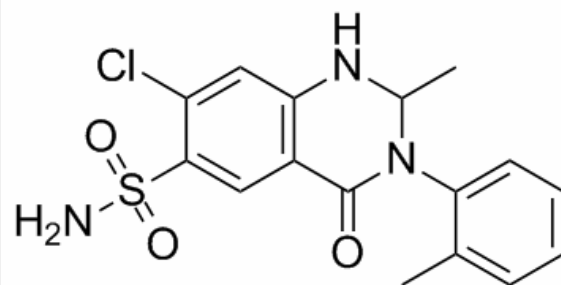
Product Description

Metolazone(Zaroxolyn) is primarily used to treat congestive heart failure and high blood pressure.

Target: Others

Metolazone is a thiazide-like diuretic marketed under the brand names Zytanix from Zydus Cadila, Zaroxolyn, and Mykrox. It is primarily used to treat congestive heart failure and high blood pressure. Metolazone indirectly decreases the amount of water reabsorbed into the bloodstream by the kidney, so that blood volume decreases and urine volume increases. This lowers blood pressure and prevents excess fluid accumulation in heart failure. Metolazone is sometimes used together with loop diuretics such as furosemide or bumetanide, but these highly effective combinations can lead to dehydration and electrolyte abnormalities.

Metolazone and the other thiazide diuretics inhibit the function of the sodium-chloride symporter, preventing sodium and chloride, and therefore water too, from leaving the lumen to enter the tubule cell. As a result, water remains in the lumen and is excreted as urine, instead of being reabsorbed into the bloodstream. Since most of the sodium in the lumen has already been reabsorbed by the time the filtrate reaches the distal convoluted tubule, thiazide diuretics have limited effects on water balance and on electrolyte levels. Nevertheless, they can be associated with low sodium levels, volume depletion, and low blood pressure, among other adverse effects.



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