

Hydralazine (hydrochloride)

Catalog No: tcsc2578



Available Sizes

Size: 100mg

Size: 500mg



Specifications

CAS No:

304-20-1

Formula:

$C_8H_9ClN_4$

Pathway:

Metabolic Enzyme/Protease

Target:

HIF/HIF Prolyl-Hydroxylase

Purity / Grade:

>98%

Solubility:

H₂O : ≥ 2.3 mg/mL (11.70 mM)

Observed Molecular Weight:

196.64

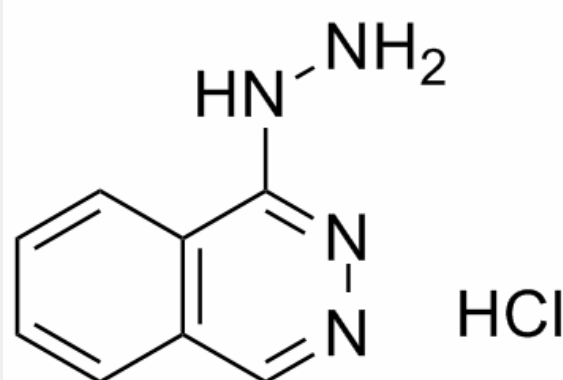
Product Description

Hydralazine Hydrochloride is a direct-acting vasodilator that is used as an antihypertensive agent.

Target: Others

Hydralazine (apresoline) is a direct-acting smooth muscle relaxant used to treat hypertension by acting as a vasodilator primarily in arteries and arterioles. By relaxing vascular smooth muscle, vasodilators act to decrease peripheral resistance, thereby lowering

blood pressure and decreasing afterload. However, this only has a short term effect on blood pressure, as the system will reset to the previous, high blood pressure necessary to maintain pressure in the kidney necessary for natriuresis. The long term effect of antihypertensive drugs comes from their effects on the pressure natriuresis curve. It belongs to the hydrazinophthalazine class of drugs [1]. Hydralazine may reduce blood pressure when compared to placebo in patients with primary hypertension, however this data is based on before and after studies, not RCTs. Furthermore, its effect on clinical outcomes remains uncertain [2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!