

Prednisone

Catalog No: tcsc2159



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

53-03-2

Formula:

$C_{21}H_{26}O_5$

Pathway:

GPCR/G Protein

Target:

Glucocorticoid Receptor

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 150 mg/mL (418.49 mM)

Alternative Names:

Dehydrocortisone

Observed Molecular Weight:

358.43

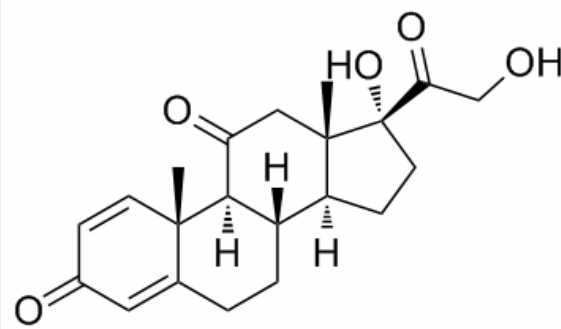
Product Description

Prednisone (Adasone) is a synthetic corticosteroid agent that is particularly effective as an immunosuppressant compound.

Target: Others

Prednisone is a synthetic corticosteroid drug that is particularly effective as an immunosuppressant drug. It is used to treat certain inflammatory diseases (such as moderate allergic reactions) and (at higher doses) some types of cancer, but has significant adverse effects. Because it suppresses the immune system, it leaves patients more susceptible to infections.

Prednisone can also be used in the treatment of decompensated heart failure to potentiate renal responsiveness to diuretics, especially in heart failure patients with refractory diuretic resistance with large dose of loop diuretics. The mechanism is prednisone, as a glucocorticoid, can improve renal responsiveness to atrial natriuretic peptide by increasing the density of natriuretic peptide receptor type A in the renal inner medullary collecting duct, inducing a potent diuresis.



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