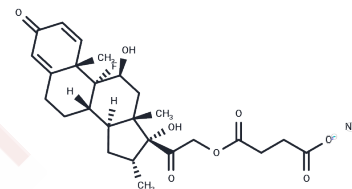


## Dexamethasone sodium succinate

### Chemical Properties

CAS No. :	3800-84-8
Formula:	C <sub>26</sub> H <sub>32</sub> FN <sub>2</sub> O <sub>8</sub>
Molecular Weight:	514.52
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



### Biological Description

Description	Dexamethasone sodium succinate is the acetate salt form of dexamethasone, which is a synthetic glucocorticoid; it combines high anti-inflammatory effects with low mineralocorticoid activity. At high doses (e.g. 40 mg), it reduces the immune response. Dexamethasone acetate (NEOFORDEX®) is indicated in adults for the treatment of symptomatic multiple myeloma in combination with other medicinal products. Dexamethasone has been shown to induce multiple myeloma cell death (apoptosis) via a down-regulation of nuclear factor-κB activity and an activation of caspase-9 through second mitochondria-derived activator of caspase (Smac; an apoptosis promoting factor) release. Prolonged exposure was required to achieve maximum levels of apoptotic markers along with increased caspase-3 activation and DNA fragmentation. Dexamethasone also down-regulated anti apoptotic genes and increased IκB-alpha protein levels. Dexamethasone apoptotic activity is enhanced by the combination with thalidomide.....
Targets(IC50)	Others

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9436 mL	9.7178 mL	19.4356 mL
5 mM	0.3887 mL	1.9436 mL	3.8871 mL
10 mM	0.1944 mL	0.9718 mL	1.9436 mL
50 mM	0.0389 mL	0.1944 mL	0.3887 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481