

Quadrol

Catalog No: **tcsc0020301**



Available Sizes

Size: 10g



Specifications

CAS No:

102-60-3

Formula:

$C_{14}H_{32}N_2O_4$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 83.3 mg/mL (284.87 mM)

Alternative Names:

N,N,N',N'-Tetrakis(2-hydroxypropyl)ethylenediamine;EDTP

Observed Molecular Weight:

292.41

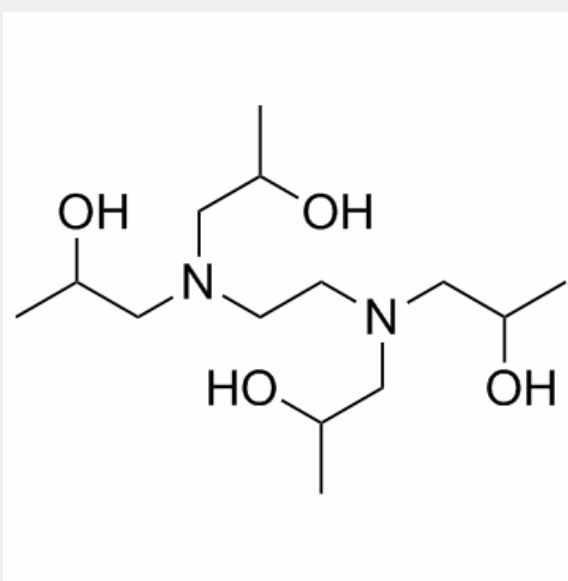
Product Description

Quadrol is an immunostimulant and has been implicated as a potentially useful agent in accelerated wound healing.

In Vitro: Results show that viability of macrophages incubated with Quadrol at concentrations of 0.5 mM, 1 mM and 4mM are identical to that for controls. Viability, however, is reduced to 50% of control at concentrations of 16 mM to 32 mM. After four hours, at concentrations of 1 mM and 4 mM, Quadrol produces enhanced spreading of 88% and 80%, respectively, as compared to the

control of 28%. Quadrol, at a concentration of 16 mM, shows reduced percentage of spreading of macrophages after four hours. Exposure of macrophages to 1.0 mM or 4.0 mM Quadrol concentrations enhances phagocytic activity, 41% and 57%, respectively, over that of the cells exposed to media alone (34%)^[1].

In Vivo: On day eight after the implantation, the amount of collagen in the implants of normal mice injected with Quadrol exceeds controls by more than 200% (p[2]).



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