

Product Name:	Equisetin
Product Number:	E053
CAS Number:	57749-43-6
Molecular Formula:	$C_{22}H_{31}NO_4$
Molecular Weight:	373.5
Appearance:	Light tan to tan solid
Storage Conditions:	-20°C
Description:	<p>The tetramic acid, equisetin, is produced by a number of species of <i>Fusarium</i>. Interest in equisetin emerged with reports of its inhibitory activity against HIV-1 integrase in vitro that was mechanistically distinct from previously described inhibitors. Equisetin inhibits 3' end-processing and strand transfer, as well as disintegration catalysed by either the full-length enzyme or the truncated integrase core.</p> <p>Equisetin is soluble in DMF or DMSO. Moderately soluble in methanol or ethanol. Poor water solubility.</p>
References:	<p>Isolation and characterization of novel human immunodeficiency virus integrase inhibitors from fungal metabolites. Hazuda D. et al. , Antivir. Chem. Chemother. 1999, 10, 63.</p> <p>Equisetin, an antibiotic from <i>Fusarium equiseti</i> NRRL 5537, identified as a derivative of N-methyl-2,4-pyrrolidone. Vesonder R.F., J. Antibiot. 1979, 32, 759.</p>