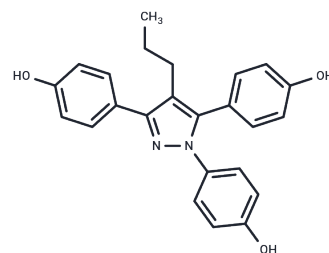


Propyl pyrazole triol

Chemical Properties

CAS No. :	263717-53-9
Formula:	C ₂₄ H ₂₂ N ₂ O ₃
Molecular Weight:	386.44
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Propyl pyrazole triol (PPT) is a selective agonist of estrogen receptor alpha. The relative binding affinity of Propyl pyrazole triol for ER α (ER α : 49%) around 410 times higher compared with estrogen receptor beta (ER β : 0.12%).
Targets(IC50)	Estrogen Receptor/ERR,Estrogen/progestogen Receptor
In vitro	In ER α -U2OS-Luc cells, the EC ₅₀ of Propyl pyrazole triol for the ER α -dependent response is 140 pM[1].

Solubility Information

Solubility	DMSO: 99 mg/mL (256.18 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5877 mL	12.9386 mL	25.8772 mL
5 mM	0.5175 mL	2.5877 mL	5.1754 mL
10 mM	0.2588 mL	1.2939 mL	2.5877 mL
50 mM	0.0518 mL	0.2588 mL	0.5175 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.

Reference

Influence of cellular ERalpha/ERbeta ratio on the ERalpha-agonist induced proliferation of human T47D breast cancer cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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