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## DATASHEET

PPT

### Product overview

<b>Name</b>	PPT
<b>Cat No</b>	HB2499
<b>Biological action</b>	Agonist
<b>Purity</b>	>98%
<b>Description</b>	Selective ER $\alpha$ estrogen receptor agonist

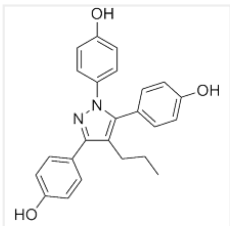
### Biological Data

<b>Biological description</b>	Selective ER $\alpha$ estrogen receptor agonist ( $K_d$ values are 2 and 1000 nM at ER $\alpha$ and ER $\beta$ respectively). Displays a 410-fold higher selectivity for ER $\alpha$ over ER $\beta$ . Shows neuroprotective effects. Active <i>in vivo</i> .
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### Solubility & Handling

<b>Storage instructions</b>	+4 °C
<b>Solubility overview</b>	Soluble in DMSO (100 mM)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	4,4',4''-(4-Propyl-[1H]-pyrazole-1,3,5-triyl)trisphenol
<b>Molecular Weight</b>	386.45
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>24</sub> H <sub>22</sub> N <sub>2</sub> O <sub>3</sub>
<b>CAS Number</b>	263717-53-9
<b>PubChem identifier</b>	6095481
<b>SMILES</b>	CCCC1=C(N(NC1=C2C=CC(=O)C=C2)C3=CC=C(C=C3)O)C4=CC=C(C=C4)O
<b>InChi</b>	InChI=1S/C24H22N2O3/c1-2-3-22-23(16-4-10-19(27)11-5-16)25-26(18-8-14-21(29)15-9-18)24(22)17-6-12-20(28)13-7-17/h4-15,25,28-29H,2-3H2,1H3
<b>InChiKey</b>	UOSWGERPQQOSHS-UHFFFAOYSA-N
<b>MDL number</b>	MFCD03453628

### References

**Pharmacokinetics of the estrogen receptor subtype-selective ligands, PPT and DPN: quantification using UPLC-ES/MS/MS.**

Sephehr E *et al* (2012) J Pharm Biomed Anal 71

PubMedID

22981216

**Estrogen receptor subtypes alpha and beta contribute to neuroprotection and increased Bcl-2 expression in primary hippocampal neurons.**

Zhao L *et al* (2004) Brain Res 1010(1-2)

PubMedID

15126114

**The possible role of estrogen and selective estrogen receptor modulators in a rat model of Parkinson's disease.**

Baraka AM *et al* (2011) Life Sci 88(19-20)

PubMedID

21420980

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