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DATASHEET

PHTPP

Product overview

Name	PHTPP
Cat No	HB2503
Biological action	Antagonist
Purity	>99%
Description	Selective ER β estrogen receptor antagonist

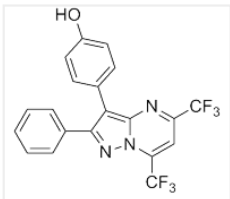
Biological Data

Biological description	Selective ER β estrogen receptor antagonist. Shows 36-fold selectivity for ER β over ER α . Active <i>in vivo</i> .
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in DMSO (33 mM), and in ethanol (100 mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	4-[2-Phenyl-5,7-bis(trifluoromethyl)pyrazolo[1,5-a]pyrimidin-3-yl]phenol
Molecular Weight	423.31
Chemical structure	
Molecular Formula	C ₂₀ H ₁₁ F ₆ N ₃ O
CAS Number	805239-56-9
PubChem identifier	11201035
SMILES	OC1=CC=C(C=C1)C1=C2N=C(C=C(N2N=C1C1=CC=CC=C1)C(F)(F)F)C(F)(F)F
InChi	InChI=1S/C20H11F6N3O/c21-19(22,23)14-10-15(20(24,25)26)29-18(27-14)16(11-6-8-13(30)9-7-11)17(28-29)12-4-2-1-3-5-12/h1-10,30H
InChiKey	AEZPAUSGTAHLOQ-UHFFFAOYSA-N
MDL number	MFCD09971112

References

Pyrazolo[1,5-a]pyrimidines: estrogen receptor ligands possessing estrogen receptor beta antagonist activity.

Compton DR *et al* (2004) J Med Chem 47(24)

PubMedID [15537344](#)

Estrogen receptor-beta agonist diarylpropionitrile: biological activities of R- and S-enantiomers on behavior and hormonal response to stress.

Weiser MJ *et al* (2009) *Endocrinology* 150(4)

PubMedID [19074580](#)
