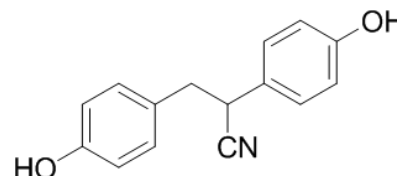


Product Name : Diarylpropionitrile
Cat. No. : PC-43041
CAS No. : 1428-67-7
Molecular Formula : C₁₅H₁₃NO₂
Molecular Weight : 239.2692
Target : Estrogen Receptor/ERR
Solubility : 10 mM in DMSO



Biological Activity

Diarylpropionitrile (DPN) is a non-steroidal estrogen receptor β (ER β) selective ligand, demonstrates the neuroprotective effects against 10 0M A β 1-42-induced oxidative stress and inflammation in primary rat cortical cell culture; (1-100 nM) significantly decreases neuronal cell death by increasing cell viability through a significant attenuation in the reactive oxygen species level, downregulation of pro-apoptotic activated caspase-3 and Bax, and upregulation of anti-apoptotic Bcl-2; decreases the expression levels of IL-1 β and IL-6; inhibits medulloblastoma development via anti-proliferative and pro-apoptotic pathways.

References

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Mancuso M, et al. *Cancer Lett.* 2011 Sep 28;308(2):197-202.
Motylewska E, et al. *Cancer Lett.* 2009 Apr 8;276(1):68-73.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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