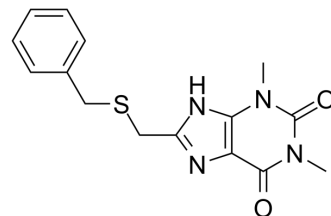


## TPBM

Cat. No.:	HY-131404
CAS No.:	6466-43-9
Molecular Formula:	C <sub>15</sub> H <sub>16</sub> N <sub>4</sub> O <sub>2</sub> S
Molecular Weight:	316.38
Target:	Estrogen Receptor/ERR
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

Description	TPBM is a potent estrogen receptor $\alpha$ (ER $\alpha$ ) inhibitor with an IC <sub>50</sub> value of 9 $\mu$ M for 17 $\beta$ -estradiol (E2)-ER $\alpha$ . TPBM reduces E2-ER $\alpha$ recruitment to an endogenous estrogen-responsive gene. TPBM inhibits E2-dependent growth of ER $\alpha$ -positive cancer cells (IC <sub>50</sub> =5 $\mu$ M). TPBM is not toxic to cells and does not affect estrogen-independent cell growth <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 9 $\mu$ M (17 $\beta$ -estradiol (E2)-ER $\alpha$ ) <sup>[1]</sup>

## REFERENCES

[1]. Mao C, et al. A new small molecule inhibitor of estrogen receptor alpha binding to estrogen response elements blocks estrogen-dependent growth of cancer cells. J Biol Chem. 2008;283(19):12819-12830.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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