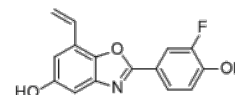


Product Name : ERB-041
Cat. No. : PC-21730
CAS No. : 524684-52-4
Molecular Formula : C₁₅H₁₀FNO₃
Molecular Weight : 271.25
Target : Estrogen Receptor/ERR
Solubility : 10 mM in DMSO



Biological Activity

Prinaberel (ERB-041) is a potent, selective estrogen receptor beta (ER β) agonist with IC₅₀ of 5.4, 3.1 and 3.7 nM for human, rat and mouse ER β , respectively.

Prinaberel (ERB-041) displays >200-fold selectivity for ER β over ER α . induces cell differentiation, cell cycle arrest and reduces colony formation in human SCC cells.

Prinaberel (ERB-041) reduces the expression of inflammation regulatory proteins such as p-NF κ Bp65, iNOS and COX-2 in A431 cells.

Prinaberel (ERB-041) promotes ovarian cancer (SKOV-3 cells) apoptosis, inhibits cell proliferation.

Prinaberel (ERB-041) suppresses development of squamous cell carcinoma in SKH-1 hairless mice, suppresses pro-inflammatory signaling pathway in UVB-induced skin tumors.

References

Malamas MS, et al. J Med Chem. 2004;47(21):5021-5040.

Chaudhary SC, et al. Cancer Prev Res (Phila). 2014;7(2):186-198.

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

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