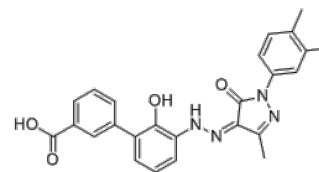


Product Name : Eltrombopag
Cat. No. : PC-49330
CAS No. : 496775-61-2
Molecular Formula : C₂₅H₂₂N₄O₄
Molecular Weight : 442.475
Target : Thrombopoietin Receptor (CD110)
Solubility : 10 mM in DMSO



Biological Activity

Eltrombopag (SB497115, DDL-701) is a nonpeptide, orally active thrombopoietin receptor (TpoR) agonist with EC₅₀ of 0.27 μM in cell-based assays, also inhibits the SARS Co-V-2 papain-like protease (PLpro) with IC₅₀ of 13 μM.

Eltrombopag is specific to the human and chimpanzee TpoR, activates the signaling transducers and activators of transcription (STAT) and mitogen-activated protein kinase signal transduction pathways.

Eltrombopag stimulated BAF3/hTpoR cell proliferation with EC₅₀ of 0.03 μM, as well as the differentiation of BAF3/hTpoR cells.

Eltrombopag interacts selectively with the TpoR without competing with Tpo, leading to the increased proliferation and differentiation of human bone marrow progenitor cells into megakaryocytes and increased platelet production.

References

Erickson-Miller CL, et al. Stem Cells. 2009 Feb;27(2):424-30.

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

E-mail: tech@probechem.com