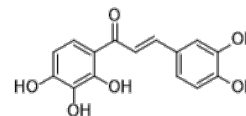


**Product Name** : TN2008  
**Cat. No.** : PC-23912  
**CAS No.** : 484-76-4  
**Molecular Formula** : C<sub>15</sub>H<sub>12</sub>O<sub>6</sub>  
**Molecular Weight** : 288.26  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

TN2008 is an effective serine arginine-rich splicing factor 1 (SRSF1) inhibitor with IC<sub>50</sub> of 144 uM, exhibits high affinity for recombinant SRSF1 with K<sub>d</sub> of 5.13 uM in SPR assays.

TN2008 effectively inhibits SRSF1 protein function, exhibiting a binding energy of -5.1 kcal/mol.

TN2008 has the potential to enhance Foxo1 expression in Cd8+T cells, exhibits significant inhibition in cell growth in Hep1-6-OVA cells.

TN2008 treatment (15 mg/kg) effectively inhibits tumor growth in Hep1-6-OVA cancer model, boosts T cell functionality and synergizes with anti-PD-1 therapy.

## References

Zhu GQ, et al. Signal Transduct Target Ther. 2025 Jan 22;10(1):25.

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

E-mail: tech@probechem.com