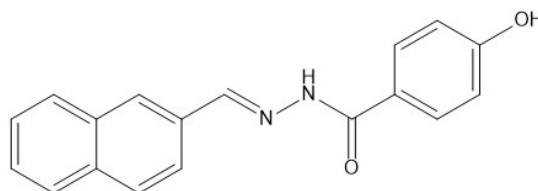


Catalog	Unit
TBI3948-10MG	10 mg
TBI3948-50MG	50 mg

### Product Details

**Formal Name:** (E)-4-Hydroxy-N'-(naphthalen-2-ylmethylene)benzohydrazide  
**Alternate Names:** 4-Hydroxybenzoic acid 2-(2-naphthalenylmethylene)hydrazide; SR9861  
**Molecular Formula:** C<sub>18</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>  
**Formula Weight:** 290.3  
**CAS Number:** 303760-60-3  
**Purity:** >98%  
**Formulation:** Powder  
**Solubility:** Soluble in DMSO (up to at least 75 mg/ml)  
**Storage:** -20°C  
**Stability:** ≥ 2 years.



### Applications

pan-ERR agonist/Exercise mimetic

### Functions

Pan-agonist of the estrogen receptor-related receptors (EC<sub>50</sub>'s cell-based cotransfection/reporter assay: ERR $\alpha$  = 98 nM, ERR $\beta$  = 230 nM, ERR $\gamma$  = 430 nM) with highest potency for ERR $\alpha$ . SLU-PP-332 increased mitochondrial function and cellular respiration in a skeletal muscle cell line. It also increased fast oxidative skeletal muscle fibers (Type IIa) and exercise endurance in mice in an ERR $\alpha$ -specific manner. SLU-PP-332 activates an acute aerobic exercise genetic response via inducing the expression of DDIT4.

### Application Procedures

First dissolved in DMSO (75 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

**For research use only.**