

# NSC668394-Ezrin Inhibitor

Catalog No: tccc3197



## Available Sizes

**Size:** 10mg



## Specifications

### Application:

Inhibitor, controls the biological activity of Ezrin.

### Research Area:

Cancer Research

### CAS No:

382605-72-3

### Formula:

$C_{17}H_{12}Br_2N_2O_3$

### Form:

Reddish orange solid

### Purity / Grade:

>95% by HPLC

### Solubility:

DMSO

### Storage Instruction:

-20°C Avoid from light

### Alternative Names:

7-(3,5-dibromo-4-hydroxyphenethylamino)quinoline-5,8-dione

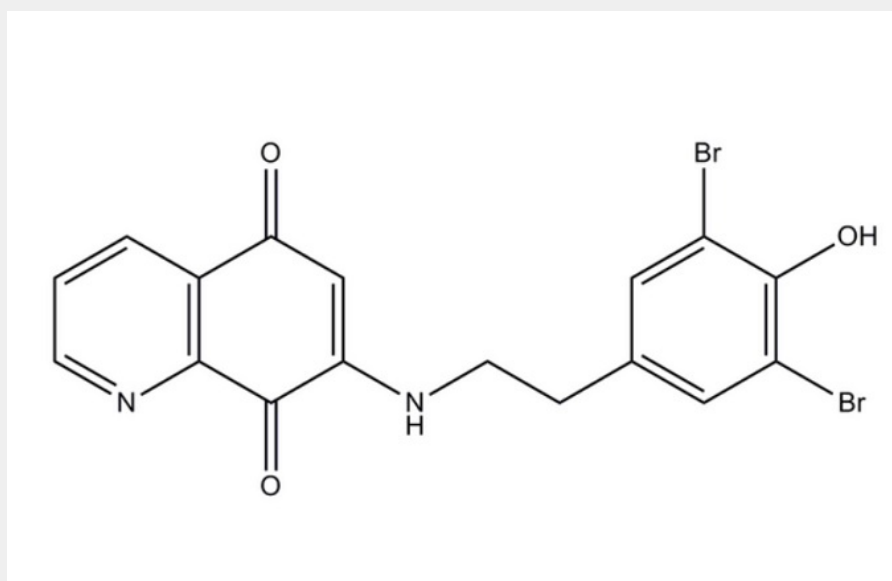
### Calculated Molecular Weight:

449.9g/mol

## Product Description

Ezrin, an ezrin/radixin/moesin (ERM) family member, is evolutionarily conserved both structurally and functionally. By regulating membrane-cytoskeleton complexes, ezrin has key roles in normal cellular processes such as maintenance of membrane dynamics, survival, adhesion, motility, cytokinesis, phagocytosis and integration of membrane transport with signaling pathways. Ezrin function is actively regulated by its conformational changes. Ezrin exists in an inactive conformation, in which the membrane and actin-binding sites are masked by intramolecular interaction of the N-terminal and C-terminal domains. In its active open conformation, ezrin functions as a crosslinker between the plasma membrane and cortical cytoskeleton.

High expression of ezrin correlates with poor prognosis and metastasis in osteosarcoma.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!