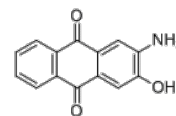


**Product Name** : UHRF1 inhibitor UM63  
**Cat. No.** : PC-72248  
**CAS No.** : 117-77-1  
**Molecular Formula** : C<sub>14</sub>H<sub>9</sub>NO<sub>3</sub>  
**Molecular Weight** : 239.23  
**Target** : DNA Methyltransferase (DNMT)  
**Solubility** : 10 mM in DMSO



### Biological Activity

UHRF1 inhibitor UM63 (UM63) is an anthraquinone compound that binds to the 5-methylcytosine (5mC) binding pocket of the SRA domain of **UHRF1**, inhibits the base-flipping process, which is crucial in the replication of DNA methylation profiles.

UM63 impaired the UHRF1/DNMT1 interaction and decreased the overall methylation of DNA in treated cells.

### References

Liliyana Zaayter, et al. **Chemistry**. 2019 Oct 17;25(58):13363-13375.

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

E-mail: tech@probechem.com