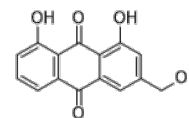


**Product Name** : Aloe-emodin  
**Cat. No.** : PC-27954  
**CAS No.** : 481-72-1  
**Molecular Formula** : C<sub>15</sub>H<sub>10</sub>O<sub>5</sub>  
**Molecular Weight** : 270.24  
**Target** : mTOR  
**Solubility** : 10 mM in DMSO



### Biological Activity

Aloe-emodin (Aloe emodin, Rhabarberone) is a natural hydroxyanthraquinone with antitumor activities, binds and inhibits mTORC2, inhibits both proliferation and anchorage-independent growth of PC3 cells, also inhibits HER-2 expression through the downregulation of Y-box binding protein-1 (YB-1), inhibits cancer metastasis and cancer stem cells.

### References

- Liu K, et al. Carcinogenesis. 2012 Jul;33(7):1406-11.  
Shen F, et al. Eur J Pharmacol. 2020 Nov 5;886:173550.  
Ma JW, et al. Oncotarget. 2016 Sep 13;7(37):58915-58930.

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

E-mail: tech@probechem.com