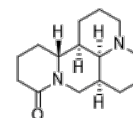


**Product Name** : Matrine  
**Cat. No.** : PC-24855  
**CAS No.** : 519-02-8  
**Molecular Formula** :  $C_{15}H_{24}N_2O$   
**Molecular Weight** : 248.37  
**Target** : Opioid Receptor  
**Solubility** : 10 mM in DMSO



### Biological Activity

Matrine (Matridin-15-one) is a plant alkaloid that act as a kappa opioid receptor (KOR) and u-receptor (MOR) agonist, also directly targets Annexin A2 (ANXA2) with binding  $K_d$  of 12.8  $\mu$ M, inhibits ANXA2-mediated PLG-PN conversion, shows anti-cancer, anti-oxidative stress, anti-inflammation and anti-apoptosis effects.

### References

Wang D, et al. Chem Commun (Camb). 2017 May 2;53(36):5020-5023.

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

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