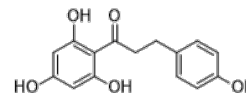


**Product Name** : Phloretin  
**Cat. No.** : PC-24599  
**CAS No.** : 60-82-2  
**Molecular Formula** : C<sub>15</sub>H<sub>14</sub>O<sub>5</sub>  
**Molecular Weight** : 274.27  
**Target** : SGLT  
**Solubility** : 10 mM in DMSO



### Biological Activity

Phloretin (NSC 407292, RJC 02792) is a small molecule inhibitor of Na<sup>+</sup> /H<sup>+</sup> antiporter NHA2 (SLC9B2), also is a specific, competitive and orally active inhibitor of SGLT1 and SGLT2, shows anti-inflammatory activities.

Phloretin inhibits Yeast-made GLUT1 as well as Human erythrocyte GLUT1 with IC<sub>50</sub> of 49 μM and 61 μM, respectively.

Phloretin has the potential for the treatment of rheumatoid arthritis (RA) and allergic airway inflammation.

### References

Kasahara T, et al. Biochem J. 1996 Apr 1;315 ( Pt 1):177-82.

Jung S, et al. Int J Mol Sci. 2025 Apr 29;26(9):4221.

Wang SP, et al. Evid Based Complement Alternat Med. 2016;2016:9831263.

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

E-mail: tech@probechem.com