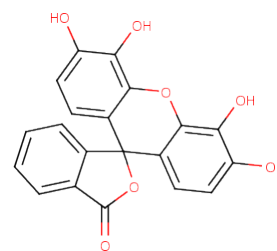


## Gallein

### Chemical Properties

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| CAS No. :         | 2103-64-2                                                |
| Formula:          | C <sub>20</sub> H <sub>12</sub> O <sub>7</sub>           |
| Molecular Weight: | 364.31                                                   |
| Appearance:       | no data available                                        |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year |



### Biological Description

|               |                                                                            |
|---------------|----------------------------------------------------------------------------|
| Description   | Gallein (Mordant violet 25) is a small molecule inhibitor of Gβγ activity. |
| Targets(IC50) | Others                                                                     |

### Solubility Information

|            |                                                                                                |
|------------|------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 27.3 mg/mL(75 mM),<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|------------------------------------------------------------------------------------------------|

### Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.7449 mL | 13.7246 mL | 27.4492 mL |
| 5 mM  | 0.549 mL  | 2.7449 mL  | 5.4898 mL  |
| 10 mM | 0.2745 mL | 1.3725 mL  | 2.7449 mL  |
| 50 mM | 0.0549 mL | 0.2745 mL  | 0.549 mL   |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

### Reference

White SM, et al. Mol Pharmacol. 2014 Oct;86(4):369-77.

Tan Z, Lei Z, Yan Z, et al. Exploiting D2 receptor  $\beta$ -arrestin2-biased signalling to suppress tumour growth of

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