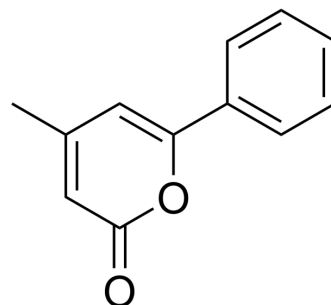


## 4-Methyl-6-phenyl-2H-pyranone

Cat. No.:	HY-N8713
CAS No.:	4467-30-5
Molecular Formula:	C <sub>12</sub> H <sub>10</sub> O <sub>2</sub>
Molecular Weight:	186.21
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

4-Methyl-6-phenyl-2H-pyranone can be used for the synthesis of N-hydroxypyridone derivatives, which can protect astrocytes against hydrogen peroxide-induced toxicity via improved mitochondrial functionality<sup>[1]</sup>.

### REFERENCES

[1]. Singh S, et al. Discovery of a novel series of N-hydroxypyridone derivatives protecting astrocytes against hydrogen peroxide-induced toxicity via improved mitochondrial functionality. *Bioorg Med Chem*. 2017;25(4):1394-1405.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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