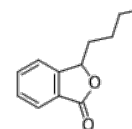


**Product Name** : Butylphthalide  
**Cat. No.** : PC-23822  
**CAS No.** : 6066-49-5  
**Molecular Formula** : C<sub>12</sub>H<sub>14</sub>O<sub>2</sub>  
**Molecular Weight** : 190.24  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

Butylphthalide (3-n-Butylphthalide, NBP) is an active molecule against cerebral ischemia, shows neuroprotective activity for acute ischemic stroke.

Butylphthalide inhibits ferroptosis and ameliorates cerebral Ischaemia-Reperfusion injury in rats by activating the Nrf2/HO-1 signalling pathway.

Butylphthalide attenuates cerebral ischemia/reperfusion injury in mice through AMPK-mediated mitochondrial fusion.

Butylphthalide improves stroke outcomes after focal ischemic stroke in mouse model by inhibiting the pyroptosis-regulated cell death and ameliorating neuroinflammation.

## References

Lu J, et al. Brain Res Bull. 2024 Jun 15;212:110969.

Wang J, et al. Front Neurol. 2024 Apr 8;15:1367973.

Ge M, et al. Eur J Pharmacol. 2024 Jul 5;974:176593.

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

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