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**Hydroxysafflor Yellow A Protects Brain Microvascular Endothelial Cells against Oxygen Glucose Deprivation/Reoxygenation Injury: Involvement of Inhibiting Autophagy via Class I PI3K/Akt/mTOR Signaling Pathway**

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**Highlights**

- HSYA protects endothelial cells from cerebral I/R injury
- HSYA attenuated OGD/R-induced hyperpermeability of BMECs
- Autophagy triggered by OGD/R for 24 h is an endothelial death mechanism
- HSYA inhibited BMECs autophagy triggered by OGD/R
- HSYA activated the Class I PI3K/Akt/mTOR signaling pathway

**Abstract**

The present study aimed to test whether Hydroxysafflor yellow A (HSYA) protects the brain microvascular endothelial cells (BMECs) injury induced by oxygen glucose deprivation/reoxygenation (OGD/R) via the PI3K/Akt/mTOR autophagy signaling pathway. Primary rat BMECs were cultured

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