

Product Name	: (-)-Butin
Synonyms	: —
Cat No.	: M24449
CAS Number	: 492-14-8
Molecular Formula	: C ₁₅ H ₁₂ O ₅
Formula Weight	: 272.3
Chemical Name	: —
Description	(-)-Butin has antioxidant activity, can protect cells against H ₂ O ₂ -induced apoptosis, oxidative DNA damage and oxidative mitochondrial dysfunction; it attenuates oxidative stress by activating Nrf2-mediated Mn SOD induction via the PI3K/Akt signaling pathway.
Pathway	: Cytoskeleton/Cell Adhesion Molecules
Target	: Akt
Receptor	: Akt;Nrf2;PI3K
Solubility	: —
SMILES	: <chem>O=C1C[C@@H](C2=CC=C(O)C(O)=C2)OC3=CC(O)=CC=C13</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1.The cytoprotective effect of butin against oxidative stress is mediated by the up-regulation of manganese superoxide dismutase expression through a PI3K/Akt/Nrf2-dependent pathway.J Cell Biochem. 2012 Jun;113(6):1987-97.