

Product Data Sheet

3,4-Benzocoumarin

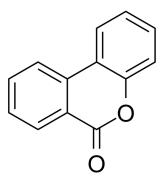
Cat. No.: HY-109714 CAS No.: 2005-10-9 Molecular Formula: $C_{13}H_8O_2$ Molecular Weight: 196.2 Target: Others Pathway: Others

Storage: Powder -20°C 3 years

2 years

In solvent -80°C 6 months

> -20°C 1 month



BIOLOGICAL ACTIVITY

Description

3,4-Benzocoumarin is a kind of the expanded structure of coumarin derivatives. Coumarin is a chemical compound in the benzopyrone chemical class that can be found in many natural species. Coumarins possess variety of biological activities and unique photophysical properties[1]. 3,4-Benzocoumarin, a AOHIIIke compound, has the sensibility of the antibody with an IC_{50} of 919.2 ng/mL^[2].

REFERENCES

[1]. Wang J, et al. Application of quantitative structure-activity relationship analysis on an antibody and alternariol-like compounds interaction study. J Mol Recognit. 2019 Jun;32(6):e2776.

[2]. Jung Y, et al. Benzo[g]coumarin-Based Fluorescent Probes for Bioimaging Applications. J Anal Methods Chem. 2018 Jun 14;2018:5249765.

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

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