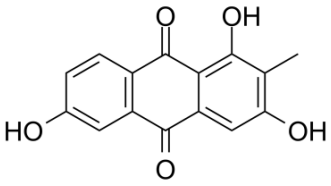
6-Hydroxyrubiadin

Cat. No.:	HY-N2714
CAS No.:	87686-86-0
Molecular Formula:	$C_{15}H_{10}O_5$
Molecular Weight:	270.24
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	6-Hydroxyrubiadin, a natural anthraquinone, may be a potential therapeutic candidate for the treatment of inflammation and inflammatory diseases[1].
In Vitro	6-hydroxyrubiadin suppresses lipopolysaccharide (LPS)-induced nuclear factor-kappa B activation as well as the phosphorylation of c-Jun N-terminal kinase in RAW 264.7 macrophages[1]. 6-hydroxyrubiadin inhibited the expression of tumor necrosis factor (TNF)-a, interleukin (IL)-1b and IL-6 in phorbol myristate acetate (PMA)-primed U937 and RAW 264.7cells[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	6-hydroxyrubiadin can reduce the production of pro-inflammatory cytokines and ameliorate acute lung injury (ALI) in a mouse model[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Yanting Wu, et al. In vitro and in vivo inhibitory effects of 6-hydroxyrubiadin on lipopolysaccharide-induced inflammation. Immunopharmacol Immunotoxicol. 2017 Jun;39(3):107-116.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA