

# Isobenzofuran analog of sclerophytin A (5f) small molecule

**Catalogue number:** 158008

**Sub-type:**

**Images:**

## Contributor

**Inventor:** Matt McIntosh

**Institute:** University of Arkansas, Fayetteville

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Isobenzofuran analog of sclerophytin A (5f) small molecule

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** Naturally occurring products 2, 11 cyclized cembranoids have been shown to inhibit the growth of KB3 nasopharyngeal carcinoma. The standard cancer cell line used to test for chemotherapy effectiveness. The bicyclic hydroisobenzofuran is the beneficial compounds that are naturally occurring in 2, 11 cyclized cembranoids. This compound has shown inhibition of growth of KB3 cancer test cells and could be used in cancer and antibiotics research.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**  
**Recommended controls:**  
**Bacterial resistance:**  
**Selectable markers:**  
**Additional notes:**

## Target details

**Target:**

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:** 100  $\mu$ M

## Applications

**Application:**  
**Application notes:**

## Handling

**Format:**  
**Concentration:**  
**Passage number:**  
**Growth medium:**  
**Temperature:**  
**Atmosphere:**  
**Volume:**  
**Storage medium:**  
**Storage buffer:**  
**Storage conditions:**  
**Shipping conditions:** Dry Ice

## Related tools

**Related tools:**

## References

**References:** Bateman et al. 2009. Bioorg Med Chem Lett. 19(24):6898-901. PMID: 19896844.

CancerTools.org