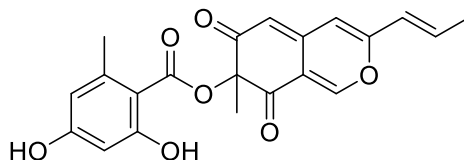


## Mitorubrin

Code No.: **BIA-M2921**

Pack sizes: **1 mg, 5 mg**



Synonyms :

## Specifications

CAS #	:	<b>3403-71-2</b>
Molecular Formula	:	<b>C<sub>21</sub>H<sub>18</sub>O<sub>7</sub></b>
Molecular Weight	:	<b>382.4</b>
Source	:	<b><i>Talaromyces</i> sp.</b>
Appearance	:	<b>Orange solid</b>
Purity	:	<b>&gt;95% by HPLC</b>
Long Term Storage	:	<b>-20°C</b>
Solubility	:	<b>Soluble in ethanol, methanol, DMF or DMSO.</b>

## Application Notes

Mitorubrin is an azaphilone isolated from the phytotoxic fungus, *Penicillium rubrum*. Mitorubrin is a weak antifungal and inhibitor of geranylgeranyl transferase. Mitorubrin and its derivatives were patented in Japan in 1996 as dihydrofolate reductase inhibitors for the treatment of protozoal diseases.

## References

1. The structures of mitorubrin and mitorubrinol. Buechi G et al. J Am Chem Soc. 1965, 87, 3484.
2. New fungal metabolite geranylgeranyl transferase inhibitors with antifungal activity. Singh S.B. et al. Nat Prod Res. 2005, 19, 739.