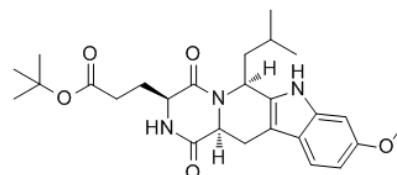


**Product Name** : Ko-143  
**Cat. No.** : PC-42054  
**CAS No.** : 461054-93-3  
**Molecular Formula** : C<sub>26</sub>H<sub>35</sub>N<sub>3</sub>O<sub>5</sub>  
**Molecular Weight** : 469.5732  
**Target** : BCRP  
**Solubility** : 10 mM in DMSO  
4. Elkind NB, et al. Cancer Res. 2005 Mar 1;65(5):1770-7.



## Biological Activity

A nontoxic analog of fungal toxin fumitremorgin C and potent, orally bioavailable inhibitor of BCRP (ABCG2) with EC<sub>90</sub> of 26 nM; shows low activity against P-gp, MRP1 and other known drug transporter; has an effect on the transport activity of both ABCB1 and ABCC1 at >1 μM; reverses Bcrp-mediated drug resistance and markedly increases the oral availability of topotecan in mice.

## References

- Allen JD, et al. Mol Cancer Ther. 2002 Apr;1(6):417-25.  
Weidner LD, et al. J Pharmacol Exp Ther. 2015 Sep;354(3):384-93.  
Ozvegy-Laczka C, et al. J Biol Chem. 2005 Feb 11;280(6):4219-27.

