Ko143

BCRP inhibitor

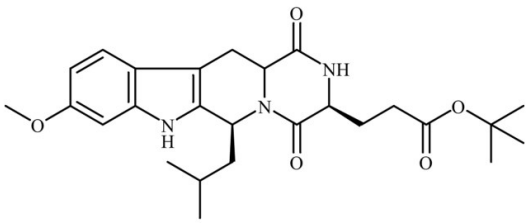
Analog of the fungal toxin fumitremorgin C (Prod. No. ALX-350-127). Potent and selective inhibitor of the breast cancer resistance protein multidrug transporter (BCRP, EC_{90}=26nM). Highly effective for increasing the intracellular drug accumulation and reversing BCRP-mediated multidrug resistance yet has little activity against P-glycoprotein, multidrug resistance-associated protein (MRP1) and other known drug transporters. In mouse models Ko143 was able to restore the intracellular accumulation and abolish the directionality in net flux of dasatinib. It is a highly useful tool for the identification of drug transport processes in complex experimental systems.

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Ordering Information Order Online »

BML-EI396-0005	5mg
BML-EI396-0025	25mg

Manuals, SDS & CofA View Online »


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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Store solutions at -20°C for up to 3 months.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	(3S,6S,12aS)-1,2,3,4,6,7,12,12a-Octahydro-9-methoxy-6-(2-methylpropyl)-1,4-dioxopyrazino-[1′,2′:1,6]pyrido[3,4-b]indole-3-propanoic acid 1,1-dimethylethyl ester
Appearance	White solid.
CAS	461054-93-3
Couple Target	BCRP
Couple Type	Inhibitor
Formula	$C_{26}H_{35}N_3O_5$
MW	469.6
Purity	≥96% (HPLC)
Solubility	Soluble in DMSO (>25mg/ml) or 100% ethanol (>25mg/ml).

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