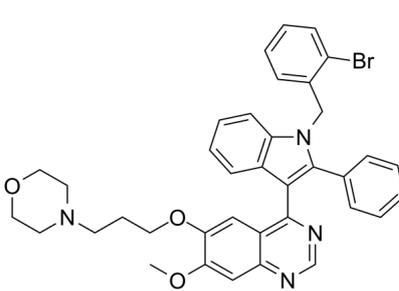


Certificate of Analysis

Catalog Number	BP16200
Product Name	YS-370

Physical and Chemical Properties

CAS No.	2470908-79-1
Chemical Formula	C ₃₇ H ₃₅ BrN ₄ O ₃
Molecular Weight	663.6
Solubility	DMSO: 6 mg/mL (9mM), ultrasonic and warming and heat to 80°C
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of YS-370 is a complex heterocyclic molecule. It features a central benzimidazole ring system. One of the nitrogen atoms in the benzimidazole is substituted with a 4-bromophenylmethyl group. The other nitrogen atom is substituted with a phenyl group. The benzimidazole ring is further substituted at the 2-position with a 4-methoxyphenyl group. The 4-methoxyphenyl group is linked via an ether oxygen to a propyl chain, which is terminated by a morpholine ring.</p>

Product Information

Description	YS-370 is an orally active inhibitor of P-gp and shows moderate inhibition against CYP3A4. YS-370 effectively reverses multidrug resistance to paclitaxel and colchicine and exhibits stronger antitumor activity in combination with paclitaxel.
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Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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