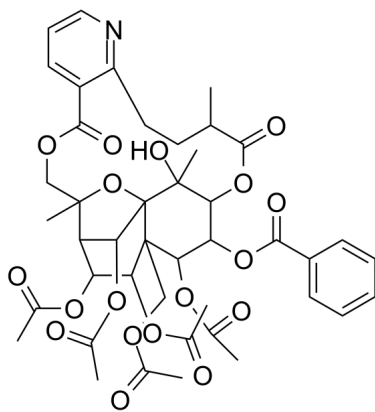


## Certificate of Analysis

Catalog Number	BP16199
Product Name	Wilforine

## Physical and Chemical Properties

CAS No.	11088-09-8
Chemical Formula	C <sub>43</sub> H <sub>49</sub> NO <sub>18</sub>
Molecular Weight	867.854
Solubility	DMSO: 10 mM
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

## Product Information

Description	<p>Wilforine is a sesquiterpene pyridine alkaloid; important bioactive compound in <i>T. wilfordii</i> plants, and is effective in treating idiopathic pulmonary fibrosis. Wilforine has anti-inflammatory effect, which might be mediated by down-regulation of the expression of inflammatory factors TNF-<math>\alpha</math>, IL-6 and NO. It also has insecticidal activity by inhibiting the Na<sup>+</sup>-K<sup>+</sup>-ATPase in the central nervous system.</p>
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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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