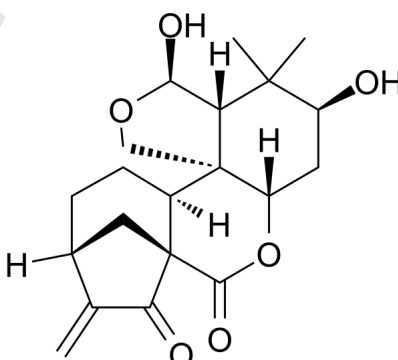


## Certificate of Analysis

Catalog Number	BP15062
Product Name	Enmein

## Physical and Chemical Properties

CAS No.	3776-39-4
Chemical Formula	C <sub>20</sub> H <sub>26</sub> O <sub>6</sub>
Molecular Weight	362.422
Solubility	
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

## Product Information

Description	Enmein shows a significant inhibitory effect toward human tumor cell K562 with IC(50) values ranging from 3.2 µg/ml to 8.2 µg/ml.
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In vitro	Four new ent-kaurane diterpenoids, sculponeatins F-I (1-4), together with six known compounds, sculponeatin E (5), epi-nodosin (6), epi-nodosinol (7), Enmein (8), and macrocalyxformins A and B (9 and 10), were isolated from the leaves of <i>Isodon sculponeata</i> . Also obtained were ursolic acid, 2alpha,3beta-dihydroxy-urs-12-en-28-oic acid, 2alpha,3beta,19alpha-trihydroxy-urs-12-en-28-oic acid, beta-sitosterol, daucosterol, quercetin, pedalitin, rosmarinic acid, caffeic acid and ethyl caffeic acid. Their structures were determined by spectral methods (1D-, 2D-NMR and MS). Some diterpenoids were tested for their cytotoxicity to inhibit three kinds of human tumor cells K562, A549 and T24.
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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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