

## Rhombifoline

## Chemical Properties

CAS No.:	529-78-2
Formula:	C <sub>15</sub> H <sub>20</sub> N <sub>2</sub> O
Molecular Weight:	244.34
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## Biological Description

Description	Rhombifoline is a natural product
Targets(IC <sub>50</sub> )	others: None
In vitro	Sparteine, beta-isosparteine, jussiaeiine A, N-methylcytisine, cytisine, 5,6-dehydrolupanine, Rhombifoline, lupanine, jussiaeiine B, N-formylcytisine, N-acetylcytisine, anagyrine, jussiaeiine C, jussiaeiine D, pohakuline, baptifoline, and epibaptifoline were detected. Analysis of the chromatograms showed that the chemical profile of all species was mainly composed of N-methylcytisine, cytisine, anagyrine, and jussiaeiines A, B, C and D. Therefore a quantification study of these alkaloids in all the populations studied was done by GC.

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.093 mL	20.463 mL	40.927 mL
5 mM	0.819 mL	4.093 mL	8.185 mL
10 mM	0.409 mL	2.046 mL	4.093 mL
50 mM	0.082 mL	0.409 mL	0.819 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Chemotaxonomy of Portuguese Ulex: quinolizidine alkaloids as taxonomical markers. *Phytochemistry*. 2006 Sep;67(17):1943-9. Epub 2006 Jul 28.

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Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481