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**Product Data Sheet**


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Product Name: Senecionine N-oxide

Cat. No.: GC38989

**Chemical Properties**

Cas. No. 13268-67-2

SMILES O=C(O[C@]1([H])CC[N+]2([O-])[C@]1([H])C(COC([C@](C)(O)[C@H](C)C/3)=O)=CC2)C3=C/C

Formula	C <sub>18</sub> H <sub>25</sub> NO <sub>6</sub>	M.Wt	351.39
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Solubility	Soluble in DMSO	Storage	Store at -20°C
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General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Senecionine n-oxide is the primary product of pyrrolizidine alkaloid biosynthesis in root cultures of *Senecio vulgaris*. Senecionine N-oxide has anti-cancer activity[1][2].

[1]. Thomas Hartmann, et al. Senecionine n-oxide, the primary product of pyrrolizidine alkaloid biosynthesis in root cultures of *Senecio vulgaris*. *Phytochemistry*, Volume 26, Issue 6, 1987, Pages 1639-1643 [2]. Kupchan SM, et al. Tumor inhibitors. XXII.

Senecionine and senecionine N-oxide, the active principles of *Senecio triangularis*. *J Pharm Sci*. 1967 Apr;56(4):541-3.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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