
Product Data Sheet

Product Name: Senecionine acetate

Cat. No.: GC61274

Chemical Properties

Cas. No. 126642-77-1

SMILES O=C(O[C@]1([H])CCN2[C@]1([H])C(COC([C@](C)(OC(C)=O)[C@H](C)C/3)=O)=CC2)C3=C/CFormula C₂₀H₂₇NO₆ M.Wt 377.43

Solubility Storage Store at -20°C

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 acetate (O-Acetylsenecionine) is a pyrrolizidine alkaloid. Senecionine acetate inhibits the sequestration of Ca²⁺ in extramitochondrial and mitochondrial compartments possibly by inactivating free sulfhydryl groups[1].

[1]. D S Griffin, et al. Effects of the pyrrolizidine alkaloid senecionine and the alkenals trans-4-OH-hexenal and trans-2-hexenal on intracellular calcium compartmentation in isolated hepatocytes. *Biochem Pharmacol.* 1989 Feb 1;38(3):391-7.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
