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## Product Data Sheet

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Product Name: Ranaconitine

Cat. No.: GC39135

**Chemical Properties**

Cas. No. 1360-76-5

SMILES CO[C@@H]1C23C4C(O)([C@]5(O)[C@]6(O)[C@@]3([H])C[C@@]([C@@H](OC)C5)([H])[C@@H]6OC)C[C@]2([H])[C@@](CN4CC)(OC(C7=C(C=CC=C7)NC(C)=O)=O)CC1

Formula C<sub>32</sub>H<sub>44</sub>N<sub>2</sub>O<sub>9</sub> M.Wt 600.7

Solubility Soluble in DMSO 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**

Ranaconitine is an alkaloid that has been found in *Aconitum* and has analgesic and local anesthetic activities in mice (ED<sub>50</sub>s = 6.99 and 0.167 μmol/kg, respectively).<sup>1</sup>

1. Bello-Ramírez, A.M., and Nava-Ocampo, A.A. A QSAR analysis of toxicity of Aconitum alkaloids. *Fundam. Clin. Pharmacol.* 18(6):699-704(2004)

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

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