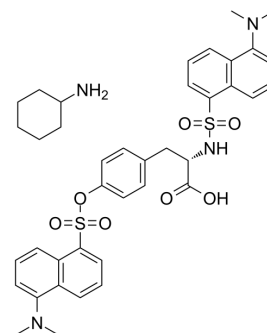


## N,O-Didansyl-L-tyrosine cyclohexylammonium

<b>Cat. No.:</b>	HY-W142014
<b>CAS No.:</b>	102783-47-1
<b>Molecular Formula:</b>	C <sub>39</sub> H <sub>46</sub> N <sub>4</sub> O <sub>7</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	746.94
<b>Target:</b>	Thymidylate Synthase
<b>Pathway:</b>	Apoptosis
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	N,O-Didansyl-L-tyrosine cyclohexylammonium is a potent selective thymidylate synthase (TS) inhibitor, acts on TS of Escherichia coli, Lactobacillus casei and human with the IC <sub>50</sub> values of 5.0, 3.4 and 119 μM, respectively <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 3.4 μM (LcTS) 5.0 μM (EcTS), 119 μM (hTS) <sup>[1]</sup> .

### REFERENCES

[1]. T A Fritz, et al. Predicting and harnessing protein flexibility in the design of species-specific inhibitors of thymidylate synthase. Chem Biol. 2001 Oct;8(10):981-95.

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

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