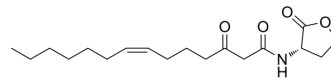


## $\Delta 7(Z)$ -C14-HSL

Cat. No.:	HY-145492
CAS No.:	482598-46-9
Molecular Formula:	C <sub>18</sub> H <sub>29</sub> NO <sub>4</sub>
Molecular Weight:	323.43
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

$\Delta 7(Z)$ -C14-HSL (Compound 12) is an immunosuppressive agent that can inhibit the proliferation of mouse splenic cells with an IC<sub>50</sub> of 17  $\mu$ M.  $\Delta 7(Z)$ -C14-HSL can be used for further studying its potential as a molecular mechanism in TNF-R-driven immune diseases, especially autoimmune diseases such as psoriasis, rheumatoid arthritis, and type 1 diabetes<sup>[1]</sup>.

### REFERENCES

[1]. Chhabra SR, et al. Synthetic analogues of the bacterial signal (quorum sensing) molecule N-(3-oxododecanoyl)-L-homoserine lactone as immune modulators. J Med Chem. 2003 Jan 2;46(1):97-104.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA