

## Phosphatidylserine

Cat. No.:	HY-A0183
CAS No.:	1446756-47-3
Molecular Weight:	788.1
Target:	Others
Pathway:	Others
Storage:	Solution, -20°C, 2 years

## Phosphatidylserine

### BIOLOGICAL ACTIVITY

#### Description

Phosphatidylserine is a conserved anti-inflammatory and immunosuppressive signal that is highly dysregulated in the tumor microenvironment and autoimmune diseases. During apoptosis and cellular stress, the related disrupting enzymes Xkr8 and TMEM16 mediate Phosphatidylserine externalization. Phosphatidylserine externalization produces a "eat me" signal that initiates endocytosis and helps clear the body of apoptotic cells. When pathogens use Phosphatidylserine and apoptotic mimicry to evade host immune responses, targeting Phosphatidylserine strategies can stimulate immune activity [1].

### REFERENCES

[1]. Birge RB, Boeltz S, Kumar S, Carlson J, Wanderley J, Calianese D, Barcinski M, Brekken RA, Huang X, Hutchins JT, Freimark B, Empig C, Mercer J, Schroit AJ, Schett G, Herrmann M. Phosphatidylserine is a global immunosuppressive signal in efferocytosis, infectious disease, and cancer. *Cell Death Differ*. 2016 Jun;23(6):962-78.

**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