Oxysophocarpine
PRODUCT DATA SHEET

issue date 01/06/2020

Product Name:	Oxysophocarpine
Product Number:	O034
CAS Number:	26904-64-3
Molecular Formula:	$C_{15}H_{22}N_2O_2$
Molecular Weight:	262.35
Description:	Oxysophocarpine is an alkaloid similar to Matrine (M075) that has recently discovered antiviral activities. In one study it was able to relieve symptoms and reduce mortaility in enterovirus 71-infected mice.
Mechanism of Action:	The antiviral mode of action of oxysophocarpine is not yet known.
References:	Pan, Q.-M., Li, Y.-H., Hua, J., Huang, F.-P., Wang, H.-S., & Liang, D. (2015). Antiviral Matrine-Type alkaloids from the Rhizomes of Sophora tonkinensis. Journal of Natural Products, 78(7), 1683–1688. doi:10.1021/acs.jnatprod.5b00325 Yang, Y., Guan, F., Bai, L., Zhang, L., Liu, J., & Pan, X. (2015). Quinolizidine alkaloids reduced mortality in EV71-infected mice by compensating for the levels of T cells. Bioorganic & Medicinal Chemistry Letters, 25(17), 3526–3528. doi:10.1016/j.bmcl.2015.06.097