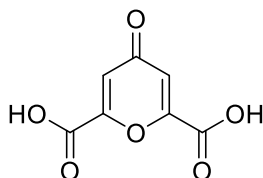


Chelidonic acid

Code No.: **BIA-C2572**

Pack sizes: **25 mg, 100 mg**



Synonyms : Jerva acid, Jervaic acid, Jervasic acid, NSC 3979

Specifications

CAS #	: 99-32-1
Molecular Formula	: C₇H₄O₆
Molecular Weight	: 184.1
Source	: <i>Chelidonium majus</i>
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Chelidonic acid occurs in numerous plants, including *Chelidonium majus*. Chelidonic acid has anti-inflammatory and immunomodulatory activity, inhibiting mast cell degranulation and IL-6 production by blocking NF-κB and caspase-1 in HMC-1 cells. Chelidonic acid up-regulates BDNF in animal models, evoking an antidepressant-like effect.

References

1. Occurrence and distribution of chelidonic acid in various plant families. Ramstad E. *Pharm Acta Helvetiae* 1953, 28, 4145.
2. Effects of chelidonic acid, a secondary plant metabolite, on mast cell degranulation and adaptive immunity in rats. Singh K. et al. *Int Immunopharmacol.* 2016, 40, 229.
3. Inhibitory effects of chelidonic acid on IL-6 production by blocking NF-κB and caspase-1 in HMC-1 cells. Shin H-Y. et al. *Immunopharmacol Immunotox.* 2011, 33, 614.
4. Chelidonic acid evokes antidepressant-like effect through the up-regulation of BDNF in forced swimming test. Jeong H-J. et al. *Exp Biol Med.* 2016, 241, 1559.