Accurate Mass: 190.084125
Percentage Composition: C 50.52%; H 7.42%; O 42.06%
Physical Description: Syrup
Optical Rotation: $[\alpha]_D$ –8.1 (c, 0.5 in $CHCl_3$)

>>**Derivative:** 3,4-*O*-Isopropylidene, Me ester
Synonym(s): Methyl 3,4-*O*-isopropylidene-L-threonate

CAS Registry Number: 92973-40-5

Molecular Formula: $C_8H_{14}O_5$
Molecular Weight: 190.196
Accurate Mass: 190.084125
Percentage Composition: C 50.52%; H 7.42%; O 42.06%
Boiling Point: Bp_{12} 125°
Optical Rotation: $[\alpha]_D^{20}$+18.5 (c, 2 in Me_2CO)
Refractive Index: n_D^{20} 1.4470

>>**Derivative:** 1,4-Lactone
Synonym(s): L-Threono-1,4-lactone

Molecular Formula: $C_4H_6O_4$
Molecular Weight: 118.089
Accurate Mass: 118.02661
Percentage Composition: C 40.68%; H 5.12%; O 54.19%
Physical Description: Cryst. (EtOAc/Et_2O)
Melting Point: Mp 75-77° (66°)
Optical Rotation: $[\alpha]_D^{25}$+48.4 (c, 0.98 in MeCN). $[\alpha]_D$ +30 (c, 0.9 in H_2O)

>>**Derivative:** 1,4-Lactone, 2-*O*-(3,4-dihydroxycinnamoyl)
Synonym(s): 2-*O*-Caffeoyl-L-threonolactone

Molecular Formula: $C_{13}H_{12}O_7$
Molecular Weight: 280.234
Accurate Mass: 280.058305
Percentage Composition: C 55.72%; H 4.32%; O 39.97%
Biological Source: Constit. of *Chelidonium majus*

>>**Variant:** (2*S*,3*R*)-form
Synonym(s): D-Threonic acid

CAS Registry Number: 20246-26-8

Molecular Formula: $C_4H_8O_5$
Molecular Weight: 136.104
Accurate Mass: 136.037175
Percentage Composition: C 35.30%; H 5.92%; O 58.78%
Physical Description: Syrup

>>**Derivative:** Ca salt

CAS Registry Number: 70753-61-6
Physical Description: Cryst.
Optical Rotation: $[\alpha]_D^{20}$+16 (c, 1 in H_2O)
Other Data: Mp >300°

>>**Derivative:** Phenylhydrazide

Melting Point: Mp 160°
Optical Rotation: $[\alpha]_D^{20}$–30 (c, 0.5 in H_2O)