

# Glycine, N-(2-thienylcarbonyl)-, methyl ester

**Inchi:** InChI=1S/C8H9NO3S/c1-12-7(10)5-9-8(11)6-3-2-4-13-6/h2-4H,5H2,1H3,(H,9,11)  
**InchiKey:** GCYJJPOBYJQNHH-UHFFFAOYSA-N  
**Formula:** C8H9NO3S  
**SMILES:** COC(=O)CNC(=O)c1cccs1  
**Mol. weight [g/mol]:** 199.23

## Physical Properties

| Property code | Value   | Unit   | Source         |
|---------------|---------|--------|----------------|
| log10ws       | -1.27   |        | Crippen Method |
| logp          | 0.651   |        | Crippen Method |
| mcvol         | 139.460 | ml/mol | McGowan Method |
| rinpol        | 1674.00 |        | NIST Webbook   |

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U299602&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpol:** Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/54-224-3/Glycine-N-2-thienylcarbonyl-methyl-ester.pdf>

Generated by Cheméo on 2025-12-25 14:25:32.214585759 +0000 UTC m=+6420929.744626421.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.