

# dimethylarsenic acid

|                      |                                             |
|----------------------|---------------------------------------------|
| Other names:         | Acide cacodylique                           |
|                      | Acide dimethylarsinique                     |
|                      | Agent blue                                  |
|                      | Ansar 138                                   |
|                      | Arsan                                       |
|                      | Arsine oxide, dimethylhydroxy-              |
|                      | Arsine oxide, hydroxydimethyl-              |
|                      | Arsinic acid, As,As-dimethyl-               |
|                      | Cacodylic acid                              |
|                      | Chexmate                                    |
|                      | DMAA                                        |
|                      | Dilic                                       |
|                      | Dimethylarsenic acid                        |
|                      | Dimethylarsinic acid                        |
|                      | Erase                                       |
|                      | Hydroxydimethylarsine oxide                 |
|                      | Kyselina kakodylova                         |
|                      | NSC 103115                                  |
|                      | Phytar                                      |
|                      | Phytar 138                                  |
|                      | Phytar 560                                  |
|                      | Rad-e-cate 35                               |
|                      | Rcra waste number U136                      |
|                      | Salvo                                       |
|                      | Silvisar                                    |
|                      | Silvisar 510                                |
|                      | Sylvicor                                    |
|                      | UN 1572                                     |
| Inchi:               | InChI=1S/C2H7AsO2/c1-3(2,4)5/h1-2H3,(H,4,5) |
| InchiKey:            | OGGXGZAMXPVRFZ-UHFFFAOYSA-N                 |
| Formula:             | C2H7AsO2                                    |
| SMILES:              | C[As](C)(=O)O                               |
| Mol. weight [g/mol]: | 138.00                                      |

## Physical Properties

| Property code | Value | Unit | Source |
|---------------|-------|------|--------|
|---------------|-------|------|--------|

|      |        |   |                    |
|------|--------|---|--------------------|
| logp | 0.111  |   | Crippen Method     |
| tf   | 474.94 | K | Cheméo Relay (1.0) |

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

**Cheméo Relay (1.0):**

**Cheméo Relay (1.0, beta):**

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=B8002408&Units=SI>

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

## Legend

**logp:** Octanol/Water partition coefficient

**tf:** Normal melting (fusion) point

Latest version available from:

<https://www.chemeo.com/cid/57-373-5/dimethylarsenic-acid.pdf>

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