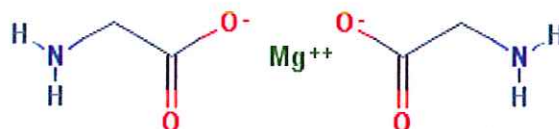


 Compound Summary for CID 84645[PUBCHEM](#) > [COMPOUND](#) > MAGNESIUM 2-AMINOACETATE

magnesium 2-aminoacetate

[Cite this Record](#)
Vendors
Literature
Patents**PubChem CID:** 84645**Chemical Names:**Magnesium 2-aminoacetate; 14783-68-7; Magnesium diglycinate; Bis(glycinato-N,O)magnesium; **MAGNESIUM GLYCINATE**; UNII-IFN18A4Y6B; [More...](#)**Molecular Formula:** $C_4H_8MgN_2O_4$ **Molecular Weight:** 172.42232 g/mol**InChI Key:** AACACXATQSKRQG-UHFFFAOYSA-L**Modify Date:** 2016-06-11**Create Date:** 2005-03-27

1 2D Structure

[Q Search](#)[Download](#)[Get Image](#)[Magnify](#)[▶ from PubChem](#)

3 Names and Identifiers



3.1 Computed Descriptors



3.1.1 IUPAC Name



magnesium;2-aminoacetate

▶ from PubChem

3.1.2 InChI



InChI=1S/2C2H5NO2.Mg/c2*3-1-2(4)5;/h2*1,3H2,(H,4,5);/q;+2/p-2

▶ from PubChem

3.1.3 InChI Key



AACACXATQSKRQG-UHFFFAOYSA-L

▶ from PubChem

3.1.4 Canonical SMILES



C(C(=O)[O-])N.C(C(=O)[O-])N.[Mg+2]

▶ from PubChem

3.2 Molecular Formula



C₄H₈MgN₂O₄

▶ from PubChem

3.3 Other Identifiers



3.3.1 EC Number



238-852-2

▶ from ECHA

3.4 Synonyms



3.4.1 MeSH Synonyms



1. bis(glycinato)magnesium
2. magnesium bis(glycinate)
3. magnesium diglycinate

3.4.2 Depositor-Supplied Synonyms



1. magnesium 2-aminoacetate	11. SCHEMBL33936	21. AK103535
2. 14783-68-7	12. KSC492C3T	22. AM004148
3. Magnesium diglycinate	13. CTK3J2139	23. AB0020568
4. Bis(glycinato-N,O)magnesium	14. AACACXATQSKRQG-UHFFFAOYSA-L	24. KB-254611
5. MAGNESIUM GLYCINATE	15. MolPort-023-221-938	25. RT-000300
6. UNII-IFN18A4Y6B	16. EINECS 238-852-2	26. FT-0656603
7. Glycine, magnesuim salt	17. ANW-64706	27. V1500
8. C4H8MgN2O4	18. AR-1J3709	28. I14-7531
9. AC1L37WD	19. AKOS015915000	
10. IFN18A4Y6B	20. MAGNESIUM(2+) ION DIGLYCINATE	

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4 Chemical and Physical Properties



4.1 Computed Properties



Molecular Weight	172.42232 g/mol
Hydrogen Bond Donor Count	2
Hydrogen Bond Acceptor Count	6
Rotatable Bond Count	0
Exact Mass	172.033448 g/mol
Monoisotopic Mass	172.033448 g/mol
Topological Polar Surface Area	132 A ²
Heavy Atom Count	11
Formal Charge	0
Complexity	37.4
Isotope Atom Count	0
Defined Atom Stereocenter Count	0
Undefined Atom Stereocenter Count	0
Defined Bond Stereocenter Count	0
Undefined Bond Stereocenter Count	0
Covalently-Bonded Unit Count	3

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