NIH U.S. National Library of Medicine National Center for Biotechnology Information

PubChem OPEN CHEMISTRY DATABASE

Search Compounds

Compound Summary for CID 84645

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

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

$C_4H_8MgN_2O_4$

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

▸ *from MeSH*

3.4.2 **Depositor-Supplied Synonyms**

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

▸ *from PubChem*

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

from PubChem