

**Material Safety Data Sheet**  
according to ANSI Z400.1-2004**DOTA-RGDfk dimer acetate**

Print date: 12.03.2012

Product code: 9862

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****Product identifier**

DOTA-RGDfk dimer acetate

**Further trade names**

Cyclo(L-arginylglycyl-L-a-aspartyl-D-phenylalanyl-L-lysyl), 5,5'-[N-[[4,7,10-tris(carboxymethyl)-1,4,7,10-tetraazacyclododec-1-yl]acetyl]-L-glutamoyl]bis-

**Synonyms:**

DOTA-cyclo(-Arg-Gly-Asp-D-Phe-Lys-) dimer

**Chemical characterization ( substance )**

Cyclo(L-arginylglycyl-L-a-aspartyl-D-phenylalanyl-L-lysyl), 5,5'-[N-[[4,7,10-tris(carboxymethyl)-1,4,7,10-tetraazacyclododec-1-yl]acetyl]-L-glutamoyl]bis-

CAS No.: 250612-06-7

**Details of the supplier of the safety data sheet**

Company name:	ABX advanced biochemical compounds	
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**Emergency telephone:** +49 3528 4041 60**SECTION 2: Hazards identification****Route(s) of Entry****Signs and Symptoms of Exposure**

Carcinogenicity (NTP):	Toxicological data are not available.
Carcinogenicity (IARC):	Toxicological data are not available.
Carcinogenicity (OSHA):	Toxicological data are not available.

**Other hazards**

Warning - substance not yet tested completely.

**SECTION 3: Composition/information on ingredients****Substances**

Sum formula:	C75H113N23O23
Molecular weight:	1704.84

**SECTION 4: First aid measures****Description of first aid measures**

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**After inhalation**

Provide fresh air.

**After contact with skin**

After contact with skin, wash immediately with: Water. Change contaminated clothing.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

**After ingestion**

If swallowed, immediately drink: Water. Immediately get medical attention.

**SECTION 5: Firefighting measures****Extinguishing media****Suitable extinguishing media**Extinguishing materials should be selected according to the surrounding area. Suitable extinguishing media: Foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Atomized water.**Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Contaminated fire-fighting water must be collected separately. Do not empty into drains or the aquatic environment.

**SECTION 6: Accidental release measures****Environmental precautions**

Do not empty into drains or the aquatic environment.

**Methods and material for containment and cleaning up**

Collect mechanically. Treat the assimilated material according to the section on waste disposal.

**SECTION 7: Handling and storage****Precautions for safe handling****Advice on safe handling**

Do not breathe dust. Conditions to avoid: skin contact. Eye contact. Wear personal protection equipment. Do not eat, drink, smoke or sneeze at the workplace.

**Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container dry. Keep container tightly closed.

**Further information on storage conditions**

Recommended storage temperature:

of °C: -25

up to °C: -15

Protect against: Light.

**SECTION 8: Exposure controls/personal protection****Control parameters****Exposure controls****Occupational exposure controls**

In case of open handling equipment with built-in suction must be used. Do not breathe dust.

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**Protective and hygiene measures**

Change contaminated clothing. Wash hands before breaks and at the end of work. When using do not eat or drink.

**SECTION 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

Form: fest  
Color: off-white

**Test method**

**Changes in the physical state**

Solubility in other solvents: dimethylsulphoxide (DMSO). chloroform Methanol.

**SECTION 10: Stability and reactivity**

Stability: Stable  
Possibility of Hazardous Reactions: Will not occur

**Conditions to avoid**

Light.

**Hazardous decomposition products**

Carbon dioxide. Carbon monoxide. Nitrogen oxides (NO<sub>x</sub>).

**SECTION 11: Toxicological information**

**Information on toxicological effects**

**Additional information on tests**

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

**Further information**

Toxicological data are not available.

**SECTION 12: Ecological information**

**Further information**

Do not empty into drains or the aquatic environment. The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

**SECTION 13: Disposal considerations**

**Waste treatment methods**

**Advice on disposal**

Do not empty into drains or the aquatic environment. Waste disposal according to official state regulations.

**Contaminated packaging**

Cleaned containers may be recycled.

**SECTION 14: Transport information**

**Other applicable information**

Not a hazardous material with respect to these transportation regulations.

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**SECTION 15: Regulatory information****U.S. Regulations****SECTION 16: Other information****Hazardous Materials Information Label (HMIS)**

Health:	1
Flammability:	0
Physical Hazard:	0
Personal Protection:	C