

Ritonavir

Cat#: orb669014 (MSDS)

1. Identification of substance

Product Name Ritonavir
Cat. Number orb669014

2. Composition/data on components

Chemical Name (3S,4S,6S,9S)-4- hydroxy-12- methyl-9-(1- methylethyl)-13-[2-(1-methylethyl)-4- thiazolyl]-8,11-dioxo-3,6- bis(phenylmethyl)-2,7,10,12-Tetraazatridecanoic acid 5- thiazolylmethyl ester

Synonyms Norvir, Norvir Softgel

Hazardous Ingredient Ritonavir

CAS Registry Number 155213-67-5

Molecular Weight 720.94

Molecular Formula C37H48N6O5S2

3. Hazard identification

Hazard Description: Toxic. Contains a pharmaceutically active ingredient.

Handling should only be performed by personnel trained and familiar with handling of potent active pharmaceutical ingredients. Moderate to severe irritant to the skin and eyes.

4. First aid measures

After Inhalation

if inhaled, remove to fresh air; if breathing is difficult, give oxygen; if breathing stops, give artificial respiration

After skin contact

flush with copious amounts of water; remove contaminated clothing and shoes; call a physician

After eye contact

check for and remove contact lenses and flush with copious amounts of water; assure adequate flushing by separating the eyelids with fingers; call a physician

After swallowing
if swallowed, wash out mouth with copious amounts of water; call a physician

5. Firefighting measures

Suitable extinguishing agents
water spray, carbon dioxide, dry chemical powder or foam

Protective equipment
wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire hazard
emits toxic fumes such as carbon monoxide, etc.

6. Accidental release measures

Suitable extinguishing agents
water spray, carbon dioxide, dry chemical powder or foam

Protective equipment
wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire hazard
emits toxic fumes such as carbon monoxide, etc.

7. Handling

Information for safe handling
avoid inhalation and contact with skin, eyes and clothing; material may be an irritant

8. Exposure controls and personal protection

Personal protective equipment as follows
Breathing equipment NIOSH/MSHA-approved respirator
Protection of hands chemical-resistant rubber gloves
Eye protection chemical safety goggles

9. Stability and reactivity

Stability
stable if stored as directed; avoid strong oxidizing agents

Thermal decomposition / conditions to be avoided:
protect from light and heat

Dangerous products of decomposition

thermal decomposition may produce toxic gases such as carbon monoxide, carbon dioxide, and nitrogen oxides

10. Toxicological information

RTECS#

Acute toxicity none known

Primary irritant effect not known

On the skin none known

On the eye not known; may be an irritant

11. Ecological information

General notes no data available

12. Disposal consideration

Dispose of in accordance with prevailing country, federal, state and local regulations

13. Transport information

DOT

Proper shipping name none

Non-Hazardous for transport this substance is considered to be non-hazardous for transport

IATA class

IATA class none

Non-Hazardous for transport this substance is considered to be non-hazardous for transport

14. Regulations

Code letter and hazard designation of product:

Hazard-determining components of labeling:

EU Risk And Safety phrases:

S24/25: avoid contact with skin and eyes

S26: in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28: after contact with skin, wash immediately with plenty of water

S36/37/39: wear protective clothing, gloves and eye/face protection

R28: very toxic if swallowed

R38: irritating to skin

R41: risk of serious damages to eyes

R48: toxic; danger of serious damage to health by prolonged exposure

R62: possible risk of impaired fertility

R63: possible risk of harm to unborn child

Biorbyt Ltd.

5 Orwell Furlong, Cowley Road, Cambridge, Cambridgeshire
CB4 0WY, United Kingdom
Email: info@biorbyt.com | Phone: +44 (0)1223 859 353 | Fax: +44(0)1223 280 240

Biorbyt LLC

Suite 103, 369 Pine Street, San Francisco
California 94104, United States
Email: info@biorbyt.com | Phone: +1 (415)-906-5211 | Fax: +1 (415) 651 8558