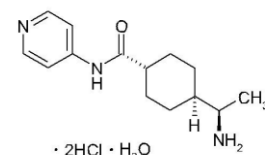


Y-27632

Y-27632

It is a selective and potent inhibitor of ROCK (Rho-associated coiled-coil forming kinase/Rho binding kinase). Y-27632 has a variety of activities including vascular smooth muscle contraction through the ROCK signaling ($K_i = 140 \text{ nmol/L p160ROCK}$). This product has been reported to suppress death of human ES/iPS cells at the time of cell dispersion and improves viability of the cells after cryopreservation. We provide four types of Y-27632 products. You can select according to the purpose of uses.



CAS No. 331752-47-7
C₁₄H₂₁N₃O · 2HCl · H₂O = 338.27

Product Lineup

NEW

Y-27632 (GMP-compliant)

Powder

This product is complied with ICH-Q7 (GMP for APIs) and is intended as a raw material for the commercial production of regenerative medicine products. It has been tested for viable count, as well as bacterial endotoxins, mycoplasma contamination, and residual solvent.

CultureSure® Y-27632

Powder

This product has been tested for bacterial endotoxin and mycoplasma. It is suitable for use in cell culture applications.

Publications using this product

Kawasaki, S., *et al.* : *Nat. Commun.*, **14**, 2243 (2023).
Shono, M. *et al.* : *Sci. Rep.*, **13**, 3186 (2023).

- More than 30 other reports

Y-27632, MF

Powder

This product complies with ISO9001. The manufacturing process and analytical procedure are validated.

Publications using this product

Siriwach, R., *et al.* : *iScience*, **25**, 104130 (2022).
Piantino, M., *et al.* : *Mater. Today Bio*, **14**, 100232 (2022).

CultureSure® 10 mmol/L Y-27632 Solution, Animal-derived-free

Liquid

This product is Y-27632 prepared in water at 10 mmol/L. It has been filter-sterilized and can be added directly to the culture medium.

Publication using this product

Hiramatsu, N., *et al.* : *Exp. Ther. Med.*, **24**, 539 (2022).

Product Comparison Chart

	ICH-Q7	ISO9001	Sterility test	Viable count test	Animal-derived-free	Bacterial endotoxins test	Mycoplasma test
Y-27632 (GMP-compliant)	✓	✓	—	✓	✓	✓	✓
Y-27632, MF	—	✓	—	✓	✓	✓	✓
CultureSure® Y-27632	—	✓	—	—	✓	✓	✓
CultureSure® 10mmol/L Y-27632 Solution, Animal-derived-free	—	✓	✓	—	✓	✓	✓

Product Information

Wako Cat. No.	Product Name	Grade	Storage Condition	Pkg. Size
252-00701	Y-27632 (GMP-compliant)	For Cell Culture	Keep below 25°C	5 mg
258-00703				25 mg
259-00613	Y-27632, MF	For Cell Culture	Keep at -20°C	5 mg
257-00614				25 mg
030-24021	CultureSure® Y-27632	For Cell Culture	Keep at -20°C	1 mg
036-24023				5 mg
034-24024				25 mg
030-24026				100 mg
039-24591	CultureSure® 10mmol/L Y-27632 Solution, Animal-derived-free	For Cell Culture	Keep at -20°C	300 µL
035-24593				1 mL

Related Products

Wako Cat. No.	Product Name	Grade	Storage Condition	Pkg. Size
033-26071	CultureSure™ CEPT Cocktail(1,000×)	For Cell Culture	Keep at -20°C	300 µL
038-24681	CultureSure® 10mmol/L CHIR99021 DMSO Solution, Animal-derived-free	For Cell Culture	Keep at -20°C	300 µL
032-25441	CHIR99021, MF	For Cell Culture	Keep at -20°C	5 mg
038-25443				25 mg
197-17571	StemSure® hPSC Medium Δ	For Cell Culture	Keep at -20°C	100 mL
193-17573				100 mL×4
064-05381	Fibroblast Growth Factor (basic)(FGF-basic / bFGF / FGF2), Human, recombinant, Animal-derived-free(154aa) (powder)	For Cell Biology	Keep at -20°C	50 µg
068-05384				100 µg
060-05383				1 mg
014-27621	Activin A Solution, Human, Recombinant	For Cell Culture	Keep at -80°C	10ug
010-27623				50ug

Many other reagents for regenerative medicine research are available. Please visit our website for details.

https://labchem-wako.fujifilm.com/us/category/cell_culture/stem_cell_culture/index.html



Other reagents



Y-27632

Listed products are intended for laboratory research use only, and not to be used for drug, food or human use. / Please visit FUJIFILM Wako Laboratory Chemicals site: <https://labchem-wako.fujifilm.com/> / This leaflet may contain products that cannot be exported to your country due to regulations. / Bulk quote requests for some products are welcomed. Please contact us.

FUJIFILM Wako Laboratory Chemicals site

<https://labchem-wako.fujifilm.com>



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