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FRONTIERS IN LIFE SCIENCE

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Research Use Only

Institute of Microbial
Chemistry (BIKAKEN)<https://www.bikaken.or.jp/english>

Institute of Microbial Chemistry (BIKAKEN)

Bioactive Compounds

All bioactive compounds listed here are produced by microorganisms by the Institute of Microbial Chemistry (BIKAKEN).

These products are useful for drug screenings and various pharmacological activity assays (inhibition assays).

About Institute of Microbial Chemistry "BIKAKEN"

















The Institute of Microbial Chemistry (BIKAKEN) was established in 1962 using funds raised from royalties from the new antibiotic kanamycin, which was discovered by the late Dr. Hamao Umezawa. The institute has since given rise to numerous beneficial antibiotics, including kasugamycin, which is highly effective against rice blast, and bleomycin, which was the world's first target-specific anticancer agent. It has continued to conduct research and development on antibacterial agents, anticancer agents, antiviral agents, etc. by microbial drug discovery, as well as organic synthesis research and process research on pharmaceutical products. To date, there have been 14 medicines created by the Institute of Microbial Chemistry, including the antibacterial agents dibekacin and arbekacin, the anticancer agents bleomycin, peplomycin, aclarubicin, the veterinary agents aivlosin, tildipirosin, and the pesticide kasugamycin. BIKAKEN's unique bioactive compounds from microorganisms are widely used in the world as research reagents and contribute to scientific development.

Products

[Manufacturer : IMC]

Product Name	Activity	Code	Size	More Information
Altemicidin	Antitumor Prevention of spider mite	12151	1 mg	
Althiomycin	Anti-Gram positive and negative bacteria Inhibition of protein synthesis	14660	1 mg	
Benanomicin A	Antifungal, effective against <i>Pneumocystis</i> infected mouse model	02966	1 mg	
Benanomicin B	Antifungal (<i>Candida</i> , <i>Cryptococcus</i> and <i>Saccharomyces</i>)	02968	1 mg	

More products on next page!

Product Name	Activity	Code	Size	More Information
Benastatin A	Inhibition of glutathione S-transferase	00379	1 mg	
Benastatin B	Inhibition of glutathione S-transferase	14653	1 mg	
Benastatin C	Inhibition of glutathione S-transferase	00380	1 mg	
Bisucaberin	Antitumor	14659	1 mg	
Bottromycin A2	Anti-Gram positive bacteria (including MRSA and VRE) Inhibition of protein synthesis	00592	1 mg	
Cytostatin	Inhibition of protein phosphatase 2A and cell adhesion	10664	1 mg	
Dopastin	Inhibition of dopamine β -hydroxylase	00381	1 mg	
Forphenicine	Inhibition of alkaline phosphatase	09636	1 mg	
Heliquinomycin	Inhibition of DNA helicase	10665	1 mg	
Inostamycin A	Antitumor Inhibition of phosphatidylinositol turnover	14652	1 mg	
Migrastatin	Antitumor Inhibition of tumor cell migration	10708	1 mg	
Oxanosine	Antitumor Inhibition of GMP synthase	00762	1 mg	
Pyridindolol	Inhibition of β -galactosidase	00372	1 mg	
Rubratoxin A	Inhibition of protein phosphatase 2A	10663	1 mg	
Heparastatin < SF-4 >	Inhibition of heparanase	11829	1 mg	
Vanoxonin	Inhibition of thymidylate synthase	10744	1 mg	

NOTE

- ※ All products here are research use only, not for diagnostic use.
- ※ Company name and product name are trademark or registered mark.
- ※ Specs might be changed for improvement without notice.
- ※ Please contact your local distributors for orders, quote request and inquiry.

Funakoshi Co., Ltd. (JAPAN)

Phone: +81-3-5684-6296
Mail: export@funakoshi.co.jp[\Contact/](#)[\Newsletter Signup/](#)