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Violacein



Violacein, isolated from a non-pathogenic, psychrotolerant microorganism.

Violacein is a natural purple pigment found in microorganisms living in unique environments, from the tropic to glaciers. It acts as a natural defense system against other organisms, including amoebas, bacteria and parasites. In addition to the pigment properties of violacein, it has been demonstrated that this bio-compound exhibits several other interesting properties such as antimicrobial, antiparasitic and antitumoral activities.

CATALOG NUMBER	PRODUCT
FSA005	Violacein, 1mg  Datasheetpig_vio_002, 1mg In stock \$300.00 <div style="display: flex; justify-content: space-between; align-items: center;"> <input style="width: 40px; text-align: center;" type="text" value="1"/>  ADD TO CART </div>

FSA006	<p>Violacein, 3mg</p> <p> Datasheetpig_vio_002, 3mg</p> <p>In stock</p> <p>\$825.00</p> <p><input type="text" value="1"/></p> <p> ADD TO CART</p>
FSA007	<p>Violacein, 5mg</p> <p> Datasheetpig_vio_002, 5mg</p> <p>In stock</p> <p>\$1,350.00</p> <p><input type="text" value="1"/></p> <p> ADD TO CART</p>

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SPECIFICATIONS

DOCUMENTATION


REFERENCES


SPECIFICATIONS

Product Type:	Small Molecule
Name:	Violacein
Chemical Formula:	$C_{20}H_{13}N_3O_3$
CAS number:	548-54-9
Molecular Weight:	343.34 g/mol
Format:	Lyophilized powder; deep violet
Purity:	> 95%
Solubility:	methanol (stir)
Storage:	2-8°C, avoid light exposure (up to 2 years)

Shipped:	Cold packs
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DOCUMENTATION

 [Product Datasheet \(/PDF/pig_vio_002_Datasheet_USA_V2_1_20141104.pdf\)](/PDF/pig_vio_002_Datasheet_USA_V2_1_20141104.pdf)

 [Product MSDS \(/PDF/pig_vio_002_MSDS_USA_V1_1_20141104.pdf\)](/PDF/pig_vio_002_MSDS_USA_V1_1_20141104.pdf)

REFERENCES

1. Yuan Lua, et al. (2009) Production of violet pigment by a newly isolated psychrotrophic bacterium from a glacier in Xinjiang, China. *Biochemical Engineering Journal*; 43: 135–141.
2. Pantanella, et al. (2007) Violacein and biofilm production in *Janthinobacterium lividum*. *Journal of Applied Microbiology*: 102; 992–999.
3. Nelson Durán, et al. (2007) Violacein: properties and biological activities. *Biotechnol. Appl. Biochem.*; 48: 127–133.
4. Duran M, Ponezi AN, Faljoni-Alario A, Teixeira MFS, Justo GZ, Duran N (2012) Potential applications of violacein: a microbial pigment. *Med Chem Res* 21:1524-1532.
5. Cazoto LL, Martins D, Ribeiro MG, Duran N, Nakazato G (2011) Antibacterial activity of violacein against *Staphylococcus aureus* isolated from Bovine Mastitis. *J. antibiot (Tokyo)* 64:395-397.
6. Nakamura Y, Asada C, Sawada T (2003) Production of antibacterial violet pigment by psychrotrophic bacterium RT102 strain. *Biotechnol Bioprocess Eng* 8:37-40.
7. Lopes SCP, Blanco YC, Justo GZ, Nogueira PA, Rodrigues FLS, Goelnitz U, Wunderlich G, Facchini G, Brocchi M, Duran N, Costa FTM (2009) Violacein extracted from *Chromobacterium violaceum* inhibits *Plasmodium* growth in vitro and in vivo. *Antimicrob Agents Chemother* 53:2149-2152.
8. Deines P, Matz C, Jurgens K (2009) Toxicity of violacein-producing bacteria fed to bacterivorous freshwater plankton. *Limnol Oceanogr* 54:1343-1352.
9. Ferreira CV, Bos CL, Versreeg HH, Justo GZ, Duran N, Peppelenbosch MP (2004) Molecular mechanism of violacein-mediated human leukemia cell death. *Blood* 104:1459-1464
10. Bromberg N, Dreyfuss JL, Regatieri CV, Palladino MV, Duran N, Nader HB, Haun M, Justo GZ (2010) Growth inhibition and pro-apoptotic activity of violacein in Ehrlich ascites tumor. *Chem Biol Interact* 186:43-52.

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