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## Product Information

### Saporin from *Saponaria officinalis* seeds

Product Number **S 9896**

Storage Temperature 2-8 °C

#### Product Description

Saporin is a plant enzyme, a 30 kDa protein, with N-glycosidase activity that depurinates a specific nucleotide in 28S ribosomal RNA, irreversibly blocking protein synthesis. It belongs to the well characterized family of Ribosome Inactivating Proteins (RIP). Saporin, on its own, does not have a method of entry into cells, but may be used in cell free systems. It can be internalized following conjugation with antibodies to cell surface antigens or with proteins, which recognize cell surface receptors.

The product is supplied as a lyophilized powder containing approximately 20% protein (Lowry) in glucose and sodium phosphate buffer salts.

#### Precautions and Disclaimer

This product is for laboratory research use only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

#### Preparation Instructions

Saporin is soluble in water (1 mg/ml), yielding a clear, colorless solution.

#### Storage/Stability

It is recommended to store the lyophilized product desiccated at 2-8 °C. Under these conditions it is stable for at least 3 years.

#### References

1. Iglesias, R. et al., FEBS Lett., **325**, 291-294 (1993).
2. Stirpe, F. et al., Biochem. J., **216**, 617-625 (1983).
3. Fordham-Skelton, A.P. et al., Mol. Gen. Genet., **229**, 460-466 (1991).

TA/GY/NDH/MAM 2/03

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