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DATASHEET

TracerBiotinTM (equivalent to Neurobiotin[®])

Product overview

Name TracerBiotin[™] (equivalent to Neurobiotin[®])

Cat No HB7672
Biological action Dyes & stains
Purity >95%
Description Neuronal tracer

Biological Data

Biological description

TracerbiotinTM has the same structure as the widely used neurobiotin[®]. It is a neuroanatomical tracer which is commonly used to label neurons and acts as a gap junction tracer. Low cytotoxicity and high stability. Suitable for use in vivo, slice preparations, whole mounts and cultured cells and can be delivered by routes such as microinjection, intracellular electrodes, cut and scrape loading. Can be detected using avidin or streptavidin systems, by both chromogenic or fluorescence visualization methods and can be fixed with formalin or glutaraldehyde. Non-toxic, remains in cells longer, is more efficiently iontophoresed and has better solubility than biocytin and other neuronal labels. Neurobiotin[®] is a trademark of Vector Laboratories

Solubility & Handling

Storage instructions

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Solubility overview

Important

soluble in water or DMSO

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

Chemical name N-(2-Aminoethyl)biotinamide hydrochloride

Molecular Weight322.85CAS Number111822-45-8

SMILES CI.[H][C@]12CS[C@@H](CCCCC(=O)NCCN)[C@@]1([H])NC(=O)N2

References

A biotin-containing compound N-(2-aminoethyl)biotinamide for intracellular labeling and neuronal tracing studies: comparison with biocytin.

Kita H et al (1991) Journal of neuroscience methods 37

PubMedID 1715497