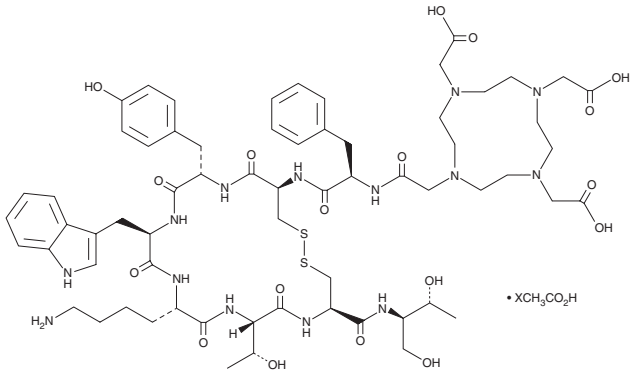
PRODUCT INFORMATION

Edotreotide (acetate)

Item No. 46512

CAS Registry No.: 2440217-69-4
Formal Name: 2,2',2''-(10-(2-(((R)-1-(((4R,7S,10S,13R,16S,19R)-13-((1H-indol-3-yl)methyl)-10-(4-aminobutyl)-4-(((2R,3R)-1,3-dihydroxybutan-2-yl)carbamoyl)-16-(4-hydroxybenzyl)-7-((R)-1-hydroxyethyl)-6,9,12,15,18-pentaoxo-1,2-dithia-5,8,11,14,17-pentaazacycloicosan-19-yl)amino)-1-oxo-3-phenylpropan-2-yl)amino)-2-oxoethyl)-1,4,7,10-tetraazacyclododecane-1,4,7-triyl)triacetic acid
Synonyms: DOTA-[D-Phe^1,Tyr^3]-octreotide, DOTA-[Tyr^3]-octreotide, DOTATOC, SMT487
MF: $C_{65}H_{92}N_{14}O_{18}S_2 \bullet XC_2H_4O_2$
FW: 1,421.7
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Edotreotide (acetate) is supplied as a solid. Aqueous solutions of edotreotide (acetate) can be prepared by directly dissolving the solid in aqueous buffers. Edotreotide (acetate) is soluble (≥10 mg/ml) in PBS (pH 7.2). We do not recommend storing the aqueous solution for more than one day.

Description

Edotreotide is a ligand for somatostatin receptor 2 (SST_2; IC_{50} = 14 nM for the human receptor).[1] It is selective for SST_2 over SST_1 and SST_{3-5} (IC_{50}s = >10,000, 880, >1,000, and 393 nM, respectively, for the human receptors). Edotreotide has been radiolabeled and used as an SST receptor-targeting component in radionuclide-drug conjugates (RDCs) with anticancer activity *in vitro* and in mice.[2]

References

1. Reubi, J.C., Schär, J.C., Waser, B., *et al.* Affinity profiles for human somatostatin receptor subtypes SST1-SST5 of somatostatin radiotracers selected for scintigraphic and radiotherapeutic use. *Eur. J. Nucl. Med.* **27(3)**, 273-282 (2000).
2. Borgna, F., Haller, S., Rodriguez, J.M.M., *et al.* Combination of terbium-161 with somatostatin receptor antagonists-a potential paradigm shift for the treatment of neuroendocrine neoplasms. *Eur. J. Nucl. Med. Mol. Imaging* **49(4)**, 1113-1126 (2022).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 10/14/2026

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM