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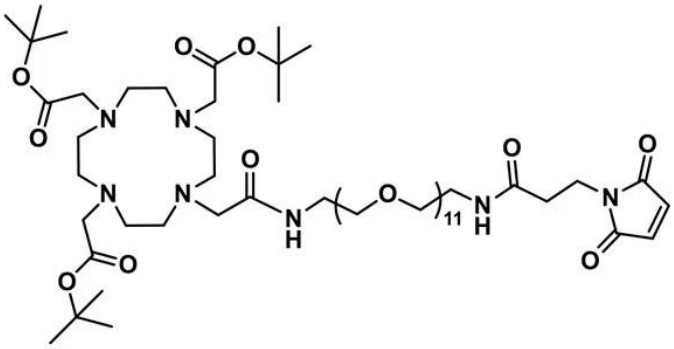
DOTA-TRIS(TBE)-AMIDO DPEG®$_{11}$-MAL

SKU: QBD-11166



DESCRIPTION

DOTA-tris(TBE)-amido-dPEG®11-MAL, product number QBD-11166, is a thiol-reactive DOTA compound containing a medium-length (37 atoms, 44.5 Å), single molecular weight, discrete polyethylene glycol (dPEG®) spacer between the DOTA and the maleimide groups. The macrocyclic 1,4,7,10-tetraazacyclododecane-1,4,7,10-tetraacetic acid (DOTA) moiety is protected with tert-butyl ester (TBE) groups on the four acetate units.

DOTA is a popular, effective bifunctional chelator that is used in radiopharmaceutical applications (radioimaging, radiotherapeutics) that require trivalent isotopes of yttrium or lanthanides. This form of DOTA has the four acetate groups protected with tert-butyl esters (TBE). This intermediate DOTA form is not an effective chelator, but it is useful in situations where the DOTA needs to be incorporated into the molecule at an early stage of development.

SPECIFICATIONS

CAS Number	N/A
Molecular Weight	1250.52; single compound
Chemical Formula	$C_{59}H_{107}N_7O_{21}$
Purity	> 95%

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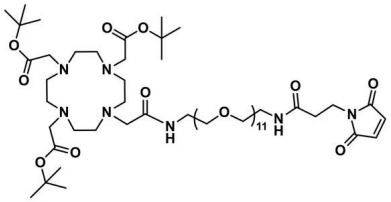
Unit Size	50 mg, 100 mg, 500 mg
Solubility	Methylene Chloride, DMSO, DMAC, DMF, or Acetonitrile.
Spacers	dPEG® Spacer is 37 atoms and 44.5 Å
Storage Instructions	-20°C; Always let come to room temperature before opening; be careful to limit exposure to moisture and restore under an inert atmosphere; stock solutions can be prepared with dry solvent and kept for several days (freeze when not in use). dPEG® pegylation compounds are generally hygroscopic and should be treated as such. This will be less noticeable with liquids, but the solids will become tacky and difficult to manipulate, if care is not taken to minimize air exposure.
Shipping Instructions	Ambient

DOCUMENTS

- Safety Data Sheet
- Datasheet

GALLERY IMAGES



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