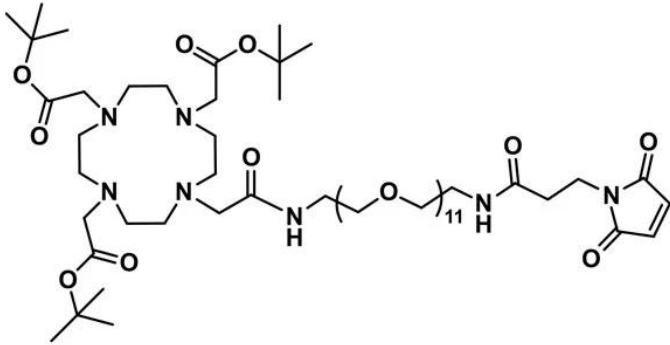


## DOTA-TRIS(TBE)-AMIDO DPEG®<sub>11</sub>-MAL

SKU: QBD-11166



DOTA-tris(TBE)-amido-dPEG®<sub>11</sub>-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

<b>Unit Size</b>	50 mg, 100 mg, 500 mg
<b>Molecular Weight</b>	1250.52; single compound
<b>Chemical formula</b>	C <sub>59</sub> H <sub>107</sub> N <sub>7</sub> O <sub>21</sub>
<b>CAS</b>	N/A
<b>Purity</b>	> 95%
<b>Spacers</b>	dPEG® Spacer is 37 atoms and 44.5 Å
<b>Shipping</b>	Ambient

**For research use only. Not intended for animal or human therapeutic or diagnostic use.**

**Typical solubility  
properties (for  
additional information  
contact Customer  
Support)**

Methylene Chloride, DMSO, DMAC, DMF, or Acetonitrile.

**Storage and handling**

-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.

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