PEG suitable for tracer technology

Diol - n from 4 to 12

Good solubility in aqueous and many organic solvents

mPEG

Can be modified in one end only

Dimethoxy PEG

Blocked

$$R-N \longrightarrow O \longrightarrow N-F$$

Functionalized PEG diamine

Hydrophobic, hydrophilic, charged, affinity label etc.

$$-O_3S - R - O \longrightarrow O \longrightarrow R - SO_3$$

Sulfonates

R=alkyl, aryl

Phenyl ethers

R= alkyl, aryl, halo, sulfonate etc....

n is >98% pure in respect of oligomers

n-1 is < 1% as major contaminant

Chemical purity depending on complexity of chemistry