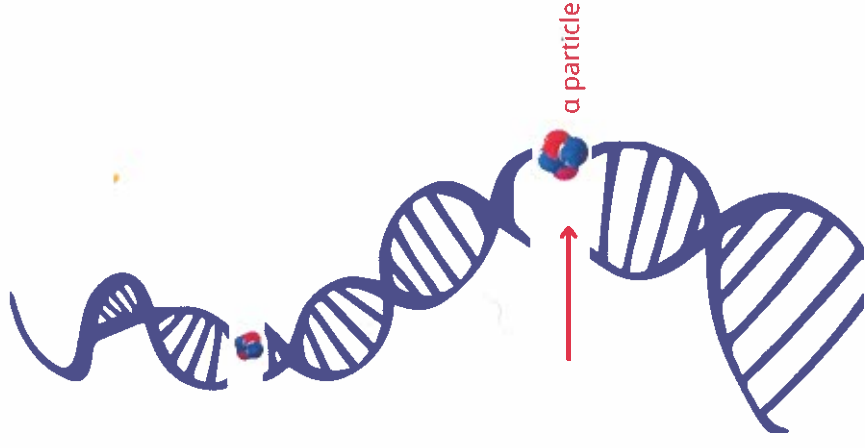


# Why Alpha Particles ?

Alpha particles are extremely powerful sources of energy that directly target DNA, leading to irreparable double-strand breaks.



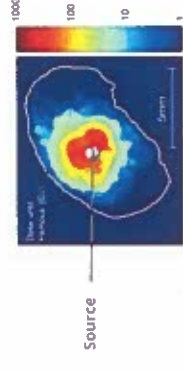
**Direct DNA damage**

**Independent of oxygen presence**

**Irreparable & clustered double-strand breaks**

Alpha DaRT is designed to deliver alpha particles directly into the tumor, generating a potent and conformal distribution of energy to target the lesion, while sparing surrounding healthy tissue.

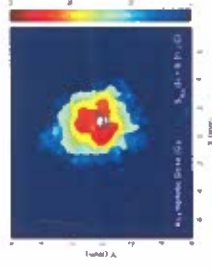
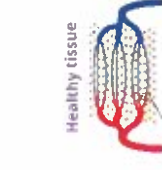
## Alpha DaRT's observed targeted impact



Tumor Tissue - Autoradiography

Tumor tissue - Histology

## Alpha Particle distribution in normal vs. tumor tissue



Healthy tissue

Tumor tissue