

**PHOTO-ACTIVE BACKBONE FOR PHOTODYNAMIC THERAPY AND IMAGING (Tel Hashomer)**  
**code:** THM 2013045-1

**PHOTO-ACTIVE BACKBONE FOR PHOTODYNAMIC THERAPY AND IMAGING**

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| <b>Categories</b>        | Diagnostic tool for Imaging - solid cancer applications |
| <b>Development Stage</b> | Preclinical Efficacy                                    |
| <b>Patent Status</b>     | Pending   |
| <b>THM Reference</b>     | 2013045-1   |

## Background

**The American Cancer Society estimates that over 1 million new cases of cancer are diagnosed in the U.S. each year. One in three Americans will develop cancer at some time in their lifetime (over 85 million). More than 500,000 in the U.S. will die (more than 1500 a day), making it the second leading cause of death in the U.S.**

**Early detection of cancer is a key to reducing mortality, because it allows treating malignant tumors in the initial stages more efficiently. However, small tumors (**