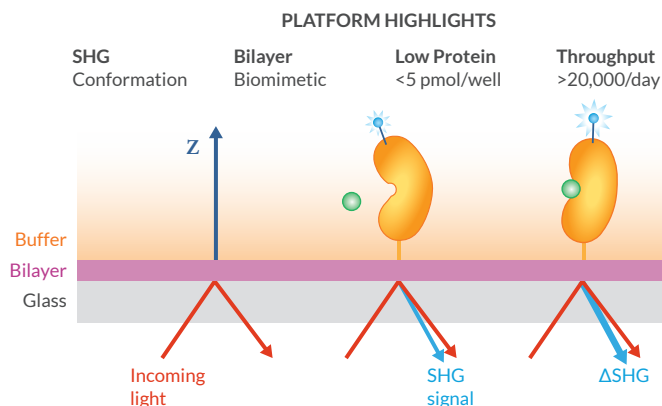


Providing Services that Harness Conformational Changes to Meet Your Drug Discovery Needs

Structural Insights Earlier in the Discovery Pipeline

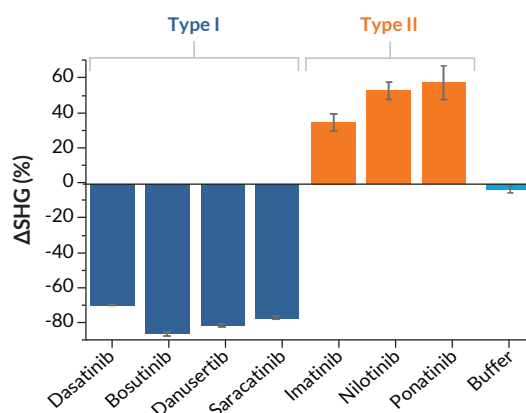
The Biodesy Delta™ employs orientation-sensitive second harmonic generation (SHG) technology to measure ligand-induced conformational changes – detecting as subtle as 1Å changes in a molecule’s structure – in high throughput (384- or 1536-well) and with low protein consumption. Targets are tethered to a lipid bilayer surface, enabling your protein to sample its conformational landscape.



Customized Services

- Development of complex assays for a variety of targets: undruggables, oligonucleotides, kinases, phosphatases, nuclear hormone receptors, and protein-protein interactions
- High-throughput screening with >100,000 drug candidates/week
- Identification of conformational signatures to distinguish activators from inhibitors and allosteric from orthosteric interactions

Please contact us for a scientific consultation



Publications Highlight the Value of the Delta

- Utilized to detect ligand-induced conformational changes in three different proteins; Moree et al *Biophys J* (2015)
- Enabled new mechanistic insights into monomeric ephrinB2-induced changes in Nipah virus G; Wong et al *Nat Commun* (2017)
- Measured slow binding kinetics over a thirty minute timeframe; Spagnuolo et al. *JACS* (2017)
- Value of SHG highlighted in review on biophysical techniques for HTS drug discovery; Genick & Wright *Expert Opin. Drug Discov* (2017)

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