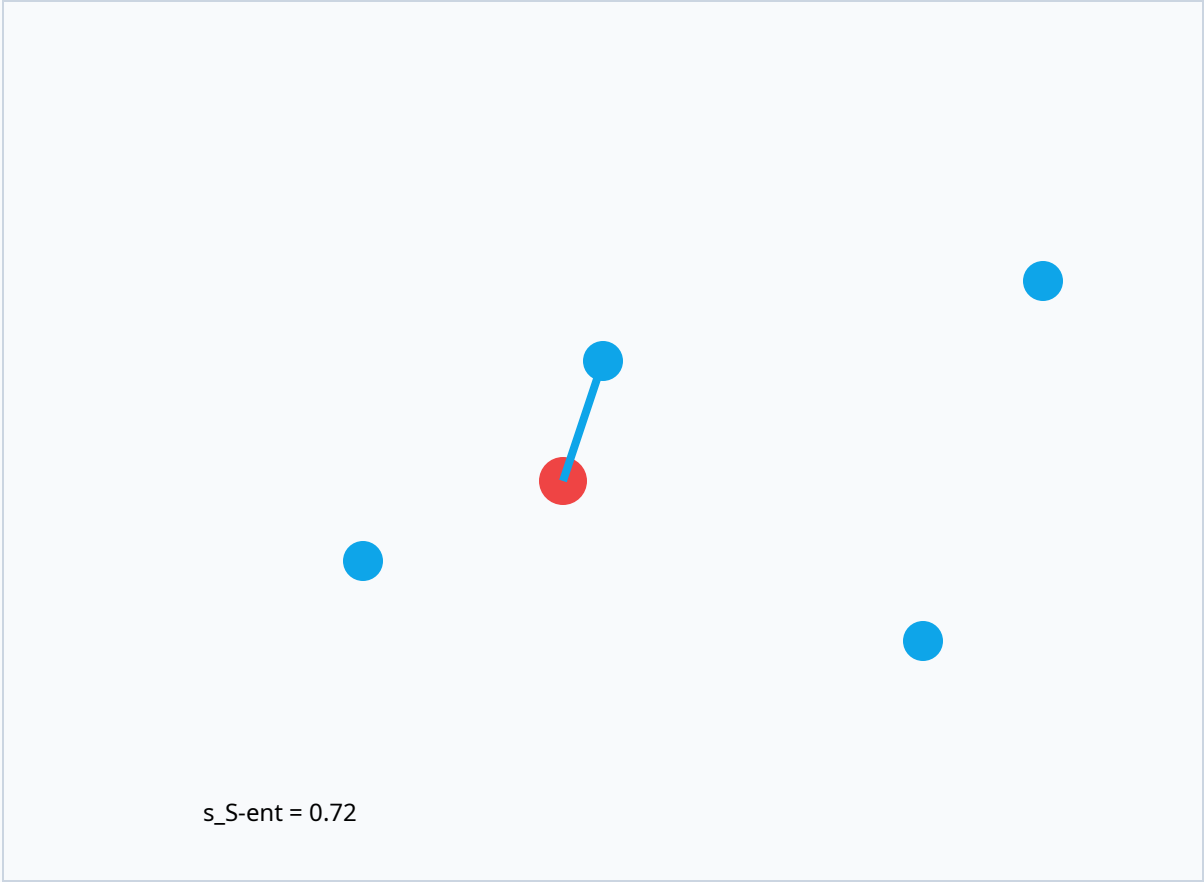


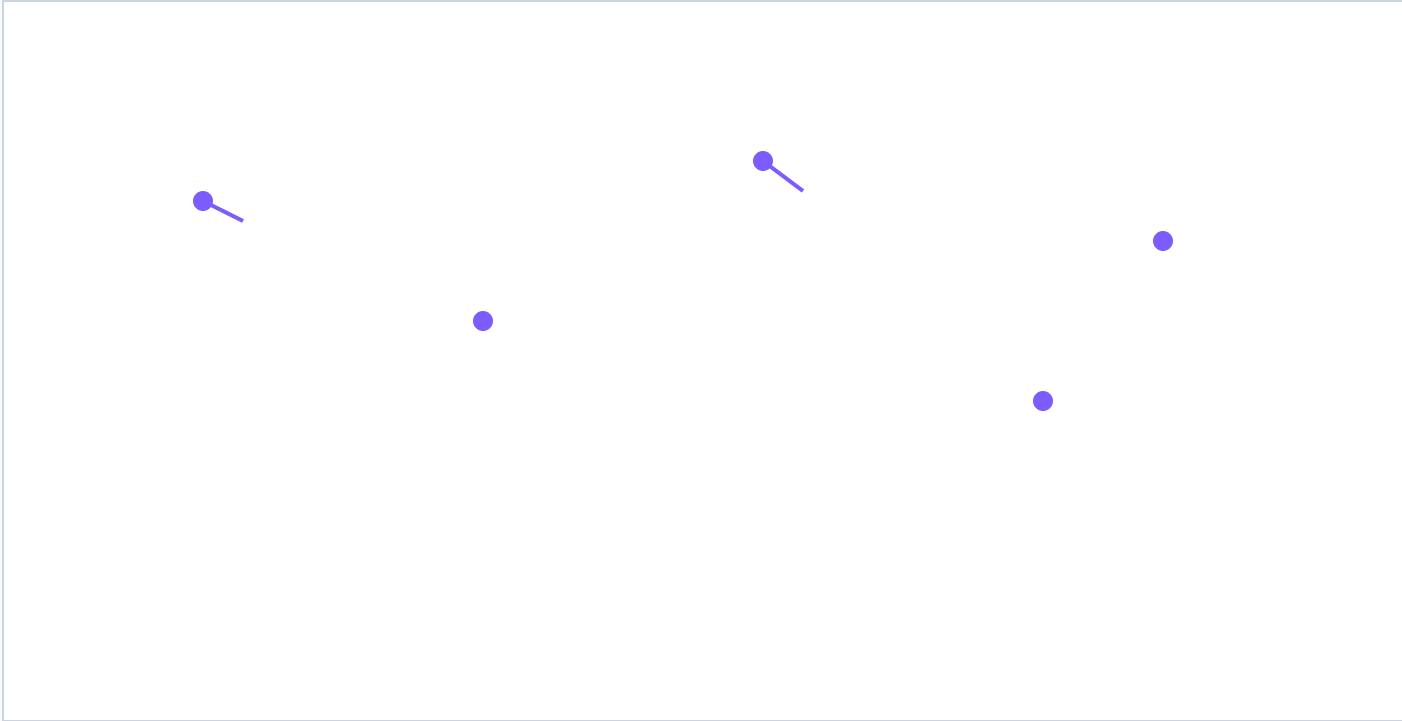
Dual-Modality Molecular Identification

Numerical (S-Entropy) + Visual (CV features) → Categorical completion

Numerical Space (S-Entropy)



Visual Space (CV features)



s\_SIFT = 0.68, s\_flow ≈ 0.74, s\_SSIM ≈ 0.71

 Categorical state: numerical AND visual thresholds passed → boost

s\_final = 1.5 × s\_combined